DEPARTMENT OF THE AIR FORCE
27TH SPECIAL OPERATIONS WING (AFSOC)
CANNON AIR FORCE BASE NEW MEXICO

ENTERED

OCT 26 2007

NOV 2007

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Mr. James Bearzi
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Dear Mr. Bearzi

Cannon AFB respectfully submits two copies of the Final Corrective Measure Implementation (CMI) Site Closure Report for Site SD-11 for your review and records. This document is provided in response to your 13 Feb 07 letter containing NMED review comments on the Final Revision 1 CMI Work Plan for Site SD-11 dated 20 Dec 06.

Please inform us of what further action is required. If you have any questions, please contact Ms. Kristi L. Doll at (505) 784-1091.

Sincerely

RONALD A. LANCASTER
Chief, Environmental Flight

Attachment:
Final Work Plan Revision 1 for the Site SD-11 Corrective Measures Implementation dated August 2007

cc:
NMED (D. Cobrain) w/1 copy
EPA Region 6 (Bob Sturdivant) w/o atch

1st Ind, 27 SOCES/CC, , Ltr to Mr. James Bearzi

Concur/~~Nonconcur.~~

STEPHEN D. WOOD, Lt Col, USAF
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Concur/~~Nonconcur.~~

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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TIMOTHY J. LEAHY, Colonel, USAF
Commander
27th Special Operations Wing

FINAL

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SITE SD-11
CORRECTIVE MEASURE IMPLEMENTATION (CMI) SITE CLOSURE REPORT
CANNON AIR FORCE BASE, NEW MEXICO

AFCEE Contract No. FA8903-04-D-8679
Task Order No. 0049

Project No. CZQZ20057001

Prepared for:

United States Air Combat Command

Cannon Air Force Base, New Mexico

Under contract to:

FINAL

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CORRECTIVE MEASURE IMPLEMENTATION (CMI) SITE CLOSURE REPORT
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Under contract to:

Headquarters Air Force Center for Environmental Excellence
3300 Sidney Brooks
Brooks City-Base, TX 78235-5112

27 August 2007

URS

URS GROUP, INC.
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Acronyms and Abbreviations

27 CES	27th Fighter Wing, Civil Engineering Squadron
AFB	Air Force Base
AFCEE	Air Force Center for Environmental Excellence
APPL	Agriculture and Priority Pollutants Laboratories, Inc
bgs	below ground surface
° C	degrees Celsius
CFR	Code of Federal Regulations
CMI	Corrective Measures Implementation
CMS	Corrective Measures Study
CRQL	Contract-Required Quantification Limit
CRZ	contaminant reduction zone
cy	cubic yard
DOT	United States Department of Transportation
DQCR	Daily Quality Control Report
ERP	Environmental Restoration Program
eV	electron Volt
EZ	excavation zone
gpm	gallon per minute
HAZWOPER	Hazardous Waste Operations and Emergency Response
HSP	Health and Safety Plan
IRP	Installation Restoration Program
LCS	laboratory control sample
MCL	maximum contaminant level
MEK	2-butanone
mg/kg	milligram/kilogram
msl	mean sea level
MS/MSD	matrix spike/matrix spike duplicate
NFA	No Further Action

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NMED	New Mexico Environmental Department
PPE	personal protective equipment
PID	photoionization detector
PM	Project Manager
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
QA/QC	quality assurance/quality control
QPP	Quality Program Plan
RBC	Risk-Based Concentration
RCRA	Resource Conservation Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RHSM	Regional Health and Safety Manager
RI	Remedial Investigation
RPD	relative percent difference
SAP	Sampling and Analysis Plan
SCFS	Sample Collection Field Sheet
SHSO	Site Health and Safety Officer
SMS	Safety Management Standard
SMWU	solid waste management unit
SOP	standard operating procedure
SOW	statement of work
SSL	soil screening level
SVOC	semivolatile organic compound
SZ	support zone
TAL	Target Analyte List
TCL	Target Compound List
TO	Task Order
TPH	total petroleum hydrocarbon

TPH-DRO	TPH–diesel range organics
TPH-GRO	TPH–gasoline range organics
TRPH	total recoverable petroleum hydrocarbon
URS	URS Group, Inc.
USGS	United States Geological Survey
VOC	volatile organic compound

1.1 PROJECT WORK AUTHORITY

This Corrective Measures Implementation (CMI) Completion Report documents the removal of petroleum hydrocarbon-impacted soil at Site SD-11 [Solid Waste Management Units (SWMUs) 86 through 90] at Cannon Air Force Base (AFB), New Mexico. This CMI Work Plan was prepared by URS Group, Inc. (URS) for the Air Force Center for Environmental Excellence (AFCEE) under Task Order (TO) 0049, Contract FA8903-04-D-8679 (Reference project number CZQZ20057001).

Work performed during the CMI was completed in accordance with the Site SD-11 Corrective Measures Implementation Work Plan – Revision 1 (URS 2006), and the statement of work (SOW) dated September 9, 2005.

1.2 PROJECT PURPOSE

The objectives of the CMI for Site SD-11 are to ensure that the site does not pose unacceptable risks to human health or the environment and, once this has been verified, to obtain no further action (NFA) approval for the site from New Mexico Environmental Department (NMED).

1.3 PROJECT DESCRIPTION AND GENERAL SCOPE

To achieve the project objectives, a phased approach was designed with re-assessment of existing data and an additional field investigation being the first steps. The historic data re-assessment and a description of the field investigation activities are discussed in **Sections 1.3.1** and **1.3.2**, respectively. Following the field investigation, a removal action of total petroleum hydrocarbons (TPH) impacted soil was completed.

1.3.1 Existing Data Re-Assessment

In the first phase of the CMI field investigation, analytical results from previous investigations at Site SD-11 were reevaluated. Data from fourteen soil borings drilled and sampled during previous studies in the vicinity of the former excavation (CAN086-8611 through CAN086-8619, USGS Borings A and B, and SD11A through SD11C) were screened against the current generic NMED soil screening levels (SSLs) and background concentrations for metals. The results are summarized below.

Surface Soil Chemicals of Concern

Concentrations of arsenic, iron, and manganese were detected above screening levels in surface soil samples collected from the historical soil borings. However, the maximum concentration for each of these compounds was less than the respective background concentration established for Cannon AFB. Therefore, concentrations for the three metals are considered to be within the naturally occurring range and no chemicals of concern were identified.

Subsurface Soil Chemicals of Concern

Elevated concentrations of 2-butanone (MEK), xylenes, 2-methylnapthalene, naphthalene, arsenic, iron, and manganese were detected in subsurface soil samples collected from the fourteen soil borings. However, as with the surface soil, the metals were below background and are not considered chemicals of concern. The remaining chemicals were detected in samples collected at depths below 10 feet, where direct contact with soil is an incomplete exposure pathway. Therefore, following risk assessment guidelines, no chemicals are considered chemicals of concern.

Extent of Elevated TPH Concentrations

Based on historical data, elevated TPH and total recoverable petroleum hydrocarbons (TRPH) concentrations greater than NMED's TPH Screening Guideline of 940 mg/kg for kerosene and jet fuel under residential direct exposure scenarios (NMED 2005b) were detected in samples collected from the following three borings at depths ranging from 9 to 16 feet bgs: CAN086-8611 located in the center of the excavation; CAN086-8612 located near the east edge of the excavation; and CAN086-8613 located near the west edge of the excavation. The CMI Field Investigation sampling activities described in **Section 1.3.2** were completed to refine the horizontal and vertical extents of elevated TPH concentrations identified by previous borings; and to better define the excavation limits described in **Section 3.3.4**.

Re-Assessment Conclusion

The existing data indicate that the horizontal and vertical extents of elevated TRPH concentrations could be refined in several areas. Therefore, the existing data were used to design the CMI Field Investigation activities described in **Section 1.3.2**.

1.3.2 CMI Field Investigation

The CMI field investigation was completed as the second phase of the SD-11 CMI. This phase included collecting samples from nine soil borings for TPH and volatile organic compounds, semivolatile organic compounds and metals analyses and evaluating the results by comparing them to NMED's TPH Screening Guideline (NMED 2006b) (i.e., 940 mg/kg for SD-11) and the current NMED SSLs to identify any additional chemicals of concern. The results of this investigation were used in combination with previous results to further delineate the horizontal and vertical limits of contaminated media requiring removal.

1.3.3 CMI Removal Action

The corrective measures were implemented as the third phase of the SD-11 CMI. The corrective measures included excavating TPH-contaminated media greater than or equal to 940 mg/kg to the limits delineated using the CMI field investigation results, transporting the excavated materials off site for disposal, and backfilling and restoring the site to pre-existing grades.

1.4 SITE DESCRIPTION

Site SD-11 occupies approximately 1.1 acres located about 5,000 feet east and 2,000 feet south of the intersection of the two main runways at Cannon AFB (see **Figure 1-1**). The site consists of five SWMUs: a former engine test cell (SWMU 86), a former overflow pit (SWMU 87), a former leach field (SWMU 88) which was later converted to an evaporation pond (SWMU 89), and a former oil/water separator and associated 100-gallon collection tank (SWMU 90).

The former engine test cell was enclosed with a 100-foot by 20-foot building set on a concrete slab. Both the test cell structure and a small, associated pumphouse building have been removed, leaving only a bare concrete slab. The oil/water separator system has also been removed. Asphalt, gravel, and weeds cover most of the area surrounding the former engine test cell. Topography is generally flat, with an approximate elevation of 4,268 feet above mean sea level (msl).

1.5 SITE GEOLOGY AND GROUNDWATER

1.5.1 Generalized Geology

In the vicinity of Cannon AFB, Late Miocene to Late Pliocene Ogallala Formation sediments overlie Early Triassic Dockum Group sedimentary rocks. The upper part of the Dockum Group consists mostly of red shale interbedded with minor sandstone. The top of the Dockum Group is marked by an erosional unconformity that has several hundred feet of relief.

The Ogallala Formation is 360 to 415 feet thick near Cannon AFB and consists of poorly sorted (well graded) gravel, sand, silt, and clay. The base of the Ogallala Formation generally consists of gravel, cobbles, and boulders. In many places, the Ogallala sediments are loose and friable; however, caliche is a major feature of the Ogallala Formation. Caliche is a hard, white to pale tan accumulation of calcium carbonate cement in the pore spaces of the Ogallala sediments. There are numerous continuous and discontinuous caliche layers throughout the Ogallala Formation (Lee Wan 1990).

1.5.2 Groundwater

The lower part of the Ogallala Formation is saturated and forms a regional, unconfined aquifer that is used for domestic and irrigation water. The depth to groundwater is more than 200 feet near Cannon AFB, and the saturated thickness varies from 90 to 140 feet. The regional hydraulic gradient slopes to the southeast at about 13 feet per mile (0.0025 feet per foot). Well yields vary from less than 1 gallon per minute (gpm) in thinly bedded silts and fine sands to 1,600 gpm in sand and gravel.

Groundwater is the primary water source in eastern New Mexico. Water table declines of between 50 and 100 feet were observed in the area near Clovis, New Mexico for the period from about 1930 to 1980 (Lee Wan 1990).

1.6 SITE SD-11 OPERATIONAL HISTORY

Site SD-11 was active from 1965 to 1988. The site received potential contaminants from a single operation, the steam cleaning and testing of jet aircraft engines. Contaminants that may have been released at the site include lubricating and synthetic oils, residual JP-4 fuel, and solvents.

During the life span of the facility, effluent was handled in several ways. Initially, effluent was discharged to an overflow pit (SWMU 87). An oil/water separator system (SWMU 90) which discharged to a leach field (SWMU 88) was later installed. Finally, the effluent was routed through the oil/water separator to an evaporation pond (SWMU 89). The evaporation pond was constructed in the area of the former leach field (SWMU 88).

1.7 PREVIOUS SITE INVESTIGATIONS

Site SD-11 has been the subject of several site investigations, which are summarized below:

- A Phase I Installation Restoration Program (IRP) Records Search was completed to identify and evaluate suspected problems associated with past hazardous material disposal sites and spill sites at Cannon AFB (CH2M Hill 1983).
- A Phase II IRP investigation included drilling two boreholes to depths of 35 and 50 feet below ground surface (bgs) at the site. Five soil samples were analyzed for purgeable halocarbons and aromatics, oil and grease, and lead. Analytical results indicated no soil contamination at the site (Radian 1986).
- A Preliminary Review/Visual Site Inspection, Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) was conducted at Cannon AFB. The RFA identified the SD-11 sites as possible SWMUs and recommended soil sampling to determine if contaminants had been released from the unit (A.T. Kearney 1987).
- A Remedial Investigation (RI) included five soil borings in the area of SD-11 that were sampled and analyzed for volatile organic compounds (VOCs), xylene, base/neutral organics, and total metals. Analytical results indicated very low levels of 2,2'-methylenebis(4-ethyl-6-tert-butylphenol) (known as antioxidant 425) in Boreholes B1 and B4. Silver was the only metal detected at levels exceeding background (Walk, Haydel and Associates 1990).
- An RI for 18 IRP/SWMU sites at Cannon AFB further evaluated the nature and extent of potential hazardous contaminants at SD-11. Six soil borings were located near the Engine Test Pad and the old oil/water separator. All soil samples were analyzed for Target Compound List (TCL) VOCs and Target Analyte List (TAL) metals. No VOCs, except acetone and toluene, were detected above the Contract-Required Quantitation Limits (CRQLs) in surface and subsurface soil samples at the SWMUs. Metals detected at elevated levels were antimony, barium, cadmium, chromium, cobalt, copper, lead, manganese, nickel, vanadium, and zinc (W-C 1992).

- The oil/water separator system and surrounding petroleum-contaminated soils were excavated during a removal action in 1994. Reportedly, the oil/water separator was not sealed along the bottom or at the edges, and petroleum contamination was visible after removing approximately 1 foot of soil. An area measuring approximately 60 feet long by 30 feet wide and up to 25 feet deep was excavated. Soil samples were taken from the excavated soil and analyzed for total petroleum hydrocarbons (TPH), VOCs, semivolatile organic compounds (SVOCs), and TAL metals. Approximately 186 tons of excavated soil was transported to an off-site facility for disposal. The remaining stockpiled soil was mixed with off-site soil to backfill the excavation (RSI 1994).
- Following the removal activity, a Phase III RCRA Facility Investigation (RFI) was completed at SD-11 to assess the vertical and horizontal extent of contamination and to complete a screening-level risk evaluation. Soil samples were analyzed for VOCs, SVOCs, TRPH, and TAL metals. Moderate to high concentrations of TRPH (i.e., greater than 1,000 milligrams per kilogram [mg/kg]) and some VOCs and SVOCs were detected in soils below the zone of backfill. Bromoform, arsenic, barium, copper, and vanadium were detected in a groundwater sample; all of these chemicals were below their respective published maximum contaminant levels (MCLs), or Risk-Based Concentration (RBCs) for tap water (W-C 1997b).
- Three soil borings were drilled and sampled to depths of 40 feet bgs at the evaporation pond as part of a Corrective Measures Study (CMS) investigation. Five soil samples were collected from each boring and analyzed for VOCs, SVOCs, TPH – diesel range organics (TPH-DRO), and TRPH. The CMS included human health and ecological risk assessments, a contaminant fate and transport evaluation, and an evaluation of corrective measures alternatives. The CMS recommended alternative was NFA (URS 1999).
- The United States Geological Survey (USGS) completed one boring at the site in June 2000. Four samples were collected and analyzed for TPH–gasoline range organics (TPH-GRO) and VOCs. TPH–GRO was present in the deepest sample (collected from 25 feet bgs) at a concentration of 120 mg/kg, so a second boring was completed approximately 25 feet west of the first USGS boring location in February 2001. Five samples were collected and analyzed for TPH–GRO and VOCs; results for all parameters for all samples from this boring were either nondetect or below detection limits (USGS 2001).
- NMED issued comments on the CMS in July 2005 requiring additional activities to address potential risks to human health and the environment (NMED 2005a).

1.8 CMI COMPLETION REPORT ORGANIZATION

This CMI Completion Report is organized as follows:

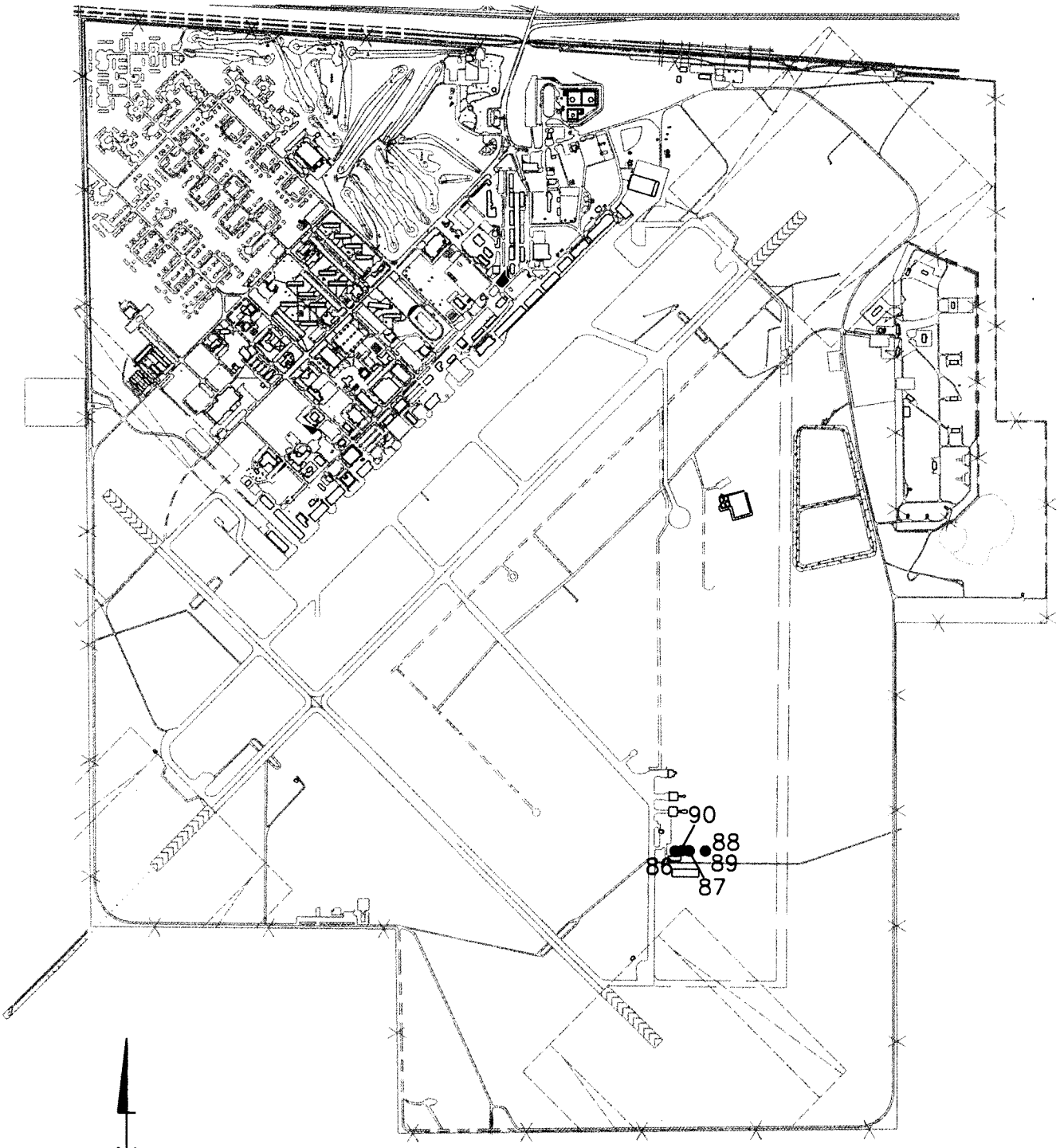
- **Section 1 – Introduction** presents the authority, purpose, project description and general scope, site description and history, an industrial risk evaluation, and objectives of the removal activities.

- **Section 2 – CMI Field Investigation** summarizes the field activities, including how samples were collected and handled, how waste was stored and handled, and discussion of sample results.
- **Section 3 – CMI Removal Action** describes the excavation activities including how the waste was segregated, handled, transported, and disposed. This section also provides a description of the backfill placement and site restoration activities.
- **Section 4 – Site Administration** provides a description of the health and safety protocols followed during the CMI project. Additionally, this section presents the daily and weekly reporting and photographic documentation.
- **Section 5 – References** provides references used to develop the CMI Completion Report.

LEGEND

3 ● SOILD WASTE MANAGEMENT UNIT (SWMU) LOCATION AND NUMBER

SWMU No.	DESIGNATED AREA
86	SD-11 ENGINE TEST CELL
87	SD-11 FORMER OVERFLOW PIT
88	SD-11 FORMER LEACHING FIELD
89	SD-11 EVAPORATION POND
90	SD-11 OIL/WATER SEPARATOR No. 5114



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SITE SD-11
LOCATION MAP
CANNON AIR FORCE BASE, NEW MEXICO

DRN. BY: DPG	DATE: 08/22/07	PROJECT NO.	FIG. NO.
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The following sections describe the field investigation activities completed during the CMI for Site SD-11. All field activities were completed in accordance with the SD-11 Corrective Measures Implementation Work Plan-Revision 1 (URS 2006).

2.1 STANDARD OPERATING PROCEDURES

The following is a list of applicable standard operating procedures (SOPs) previously developed for use at Cannon AFB. These SOPs were used during the CMI investigation and provided the foundation for all fieldwork execution.

- SOP No. 4 Subsurface Drilling and Soil Sampling
- SOP No. 11 Equipment Decontamination
- SOP No. 13 Sample Handling, Documentation, and Tracking
- SOP No. 15 Headspace Analysis
- SOP No. 16 Boring Abandonment
- SOP No. 17 Permits and Clearances
- SOP No. 19 En Core® and Terra Core™ Sampling Method

Copies of the SOPs were included in **Appendix C** of the SD-11 CMI Work Plan-Revision 1 (URS 2006).

2.2 MOBILIZATION

Mobilization of equipment and personnel was completed prior to the start of field activities. The mobilization activities included acquisition of personnel and vehicle passes, utility locates, identification of staging areas, and acquisition of pallets for investigation derived waste drums.

2.2.1 Acquire Base Passes

URS personnel coordinated with the Cannon AFB Environmental Restoration Program (ERP) Manager (Ms. Kristi Doll) to acquire passes for URS and subcontractor personnel for entry onto Cannon AFB.

2.2.2 Locate Utilities

Utility clearances were requested by the Cannon ERP Manager on behalf of URS prior to the start of any intrusive activities. Utility locates were provided to URS by the Cannon AFB ERP Manager. The utility clearances were completed by 27th Fighter Wing, Civil Engineering Squadron (27 CES). All underground electrical utilities identified were marked with fluorescent paint and all water utilities were flagged. All utility locations were documented in the field logbook to aid in subsequent work. No intrusive work using heavy equipment was completed

within 6 feet of an active utility. Clearances and permits were obtained in accordance with SOP No. 17.

2.3 SAMPLING ACTIVITIES SUMMARY

Sampling activities were completed in accordance with the SOPs detailed in **Appendix C** of the Site SD-11 CMI Work Plan – Revision 1 (URS 2006).

2.3.1 Soil Borings

Nine soil boring locations were established by measuring off the concrete pad on the west end of site SD-11 and fluorescent paint was used to mark the locations. The borings were completed using a 3-1/4-inch hollow-stem auger that incorporated a 5-inch continuous sampler. When refusal was encountered the borings were advanced using a 2-inch stainless steel split spoon with automatic hammer. Two soil borings (SB07 and SB08) were advanced through the former excavation area near borings CAN086-8611 and CAN086-8612. The other seven borings were advanced around the perimeter of the planned excavation area. One additional boring (C11-SB09) was added to the original eight planned borings based on elevated photoionization detector (PID) readings in borings C11-SB04 and C11-SB03. Soil boring locations are shown on **Figure 2-1**.

The boring locations and depths were determined by sample results from previous site investigations and were selected to further delineate the horizontal and vertical extent of the TPH-impacted soil. In addition, the maximum depth to which the borings were advanced was based on PID readings (e.g., boring C11-SB08 was advanced to 50 feet due to high PID readings). Soil characterization and descriptions were recorded on boring logs included in **Appendix A.**

Some soil boring locations were moved due to the presence of utilities: boring location C11-SB06 was relocated approximately 4 feet west because of an electrical line; borings C11-SB01 and C11-SB02 were relocated approximately three feet north because of water lines. Drilling was completed by Atkins Engineering. Soil borings were abandoned using bentonite chips.

2.3.2 Soil Sampling and Sample Handling

A minimum of two samples per boring were collected, with one collected from the bottom of the boring. The other sample(s) were collected based on visible signs of staining, odor or the highest PID reading (i.e., soil boring C11-SB08-050 was advanced to depth of 50 feet based on PID readings). Headspace readings of every sample were taken using a PID. All samples were submitted at 4°Celsius (C) $\pm$ 2°C to Agriculture and Priority Pollutants Laboratories, Inc. (APPL) in Fresno, California for analysis. Samples collected during the CMI field investigation are shown on **Table 2-1**.

A new pair of nitrile gloves were donned prior to collecting each sample. Immediately upon collection, samples were given unique sample identification and maintained in a cooler with ice

at 4°C. Once sampling concluded for the day, samples were packed with additional ice and shipped overnight to the laboratory. Samples were analyzed for VOCs by Method 8260B/5035, SVOCs by Method 8270C/3540C, TPH-GRO and TPH-DRO by Method 8015B/5035 and target analyte list (TAL) metals by Method 6010B/7471A/3050B. VOC and TPH-GRO samples were collected using the Terra Core™ method described in SOP No.19 of the CMI Work Plan – Revision 1 (URS 2006).

Soil for SVOC, TPH-DRO and TAL metal analyses were composited in a stainless steel bowl. Samples analyzed for TPH-GRO and TPH-DRO (Method 8015B/3540C) were submitted for accelerated turnaround analysis, in order to determine if additional borings or additional sample depths were required. Samples submitted for analyses were recorded in the field log book and on sample collection field sheets (SCFS). Sample collection field sheets are included in **Appendix A**. A summary of sample results is described in **Section 2.4**.

2.3.3 Equipment Decontamination

Equipment used during the field investigation was decontaminated after collecting each sample. A portable decontamination pad was set up on the concrete pad located west of investigation area. After each boring, the drill auger was steam cleaned and rinsed with deionized water. Decontamination procedures for all sampling equipment included an Alconox soap wash, rinse with potable water, and final rinse with deionized water. All used disposable sampling equipment; personal protective equipment (PPE), Terra Core™ samplers, and soil boring sleeves were placed in garbage bags and disposed of in a dumpster near site SD-11 with permission from Sergeant Johnson in charge of the test cell that used the dumpster.

Decontamination of sample equipment such as stainless steel bowls and stainless steel spoons also involved a rinse with potable water, wash with Alconox soap solution, rinse with potable water and a final rinse with deionized water.

2.3.4 Investigative Derived Waste Handling and Disposal

Soil cuttings and all water generated from decontamination processes were stored in 55-gallon steel drums with secured lids. The drums were staged on wooden pallets on the concrete pad west of the soil boring locations. The drums were labeled using a paint pen with the base contact and telephone number, URS contact and telephone number, date, and contents of the drums. The drums were later emptied into the TPH-impacted soil pile and hauled off site as part of the excavation phase.

2.4 FIELD INVESTIGATION SAMPLE RESULTS

This section presents the field investigation sample results.

2.4.1 Total Petroleum Hydrocarbons

TPH results from the seven soil borings were screened against NMED's TPH Screening Guideline of 940 mg/kg for kerosene and jet fuel under residential direct exposure scenarios (NMED 2006b). TPH levels were all below the 940 mg/kg screening criteria for all samples. TPH-DRO was detected at lower concentrations in borings C11-SB03 (C11-SB03-018) and C11-SB04 (C11-SB04-018, C11-SB04-025 and C11-SB04-030). Additionally, TPH-DRO was detected at higher concentrations in borings C11-SB09 at depths of 12 (470 mg/kg) and 17 (330 mg/kg) feet bgs. TPH-GRO was detected at low concentration in boring C11-SB09-017. TPH concentrations along a geologic cross section of Site SD-11 are shown on **Figure 2-3**.

Two borings were also completed within the perimeter of the former excavations. Elevated TPH concentrations were detected in boring C11-SB08, but were below NMED SSLs. TPH sample results are shown on **Figure 2-2**. A summary of samples in which TPH was detected is shown in **Table 2-2** and maximum TPH concentrations are shown on **Table 2-3**.

2.4.2 Volatile and Semivolatile Organic Compounds

Volatile and semivolatile results were screened against current NMED SSLs. Concentrations of acetone, bromomethane, di-n-butylphthalate and bis(2-ethylhexyl)phthalate were detected below NMED SSLs in soil borings completed on the perimeter of the former excavation.

Elevated concentrations of several VOCs and SVOCs were detected and below NMED SSLs in samples from boring C11-SB08. This boring was completed near the former location of the oil water separator and the soils represented by this boring were subsequently excavated as described in **Section 3.4.3**. All VOC and SVOCs detected in the samples were below current NMED SSLs. A summary of samples in which VOCs and SVOCs were detected is shown in **Table 2-2** and maximum concentrations of detected analytes as compared to SSLs are shown on **Table 2-3** and VOC and SVOC results are shown on **Figure 2-2.**

2.4.3 Metals

Metals were screened in all borings, at concentrations below NMED SSLs and background levels at Site SD-11 as shown on **Table 2-3.** Metals results for samples collected during the CMI field investigation are shown on **Table 2-2**.

2.4.4 Summary of Investigation Results

TPH results from the borings compared to NMED's TPH Screening Guideline of 940 mg/kg for kerosene and jet fuel under residential direct exposure scenarios (NMED 2006b). Sample results indicated that detected TPH levels were below the 940 mg/kg screening criteria. Additionally, volatile, semivolatile and metal results were compared to current NMED SSLs. All VOCs, SVOCs and metals results were below NMED SSLs as shown on **Table 2-3**. Boring locations with VOCs, SVOCs and TPH detections at associated sample depths are shown on **Figure 2-2**. Metals results were also compared to background levels. Barium, beryllium and potassium

exceeded background levels, but fell below NMED SSLs. A comparison of metals data to background levels is shown on **Table 2-3**. A summary of compounds detected in CMI field investigation soil samples collected at Site SD-11 are shown on **Table 2-2**.

2.5 QUALITY ASSURACNE/QUALITY CONTROL

2.5.1 Field Duplicates

Field duplicate samples were collected at a minimum rate of 10 percent. Four field duplicate samples were collected during the CMI field investigation and were analyzed for TPH-DRO, TPH-GRO, VOCs, SVOCs and metals. Field duplicate were collected to assess the precision of the data collection activity, which includes sample collection, sample heterogeneity and analysis. The field duplicate results were compared to the parent sample and were in agreement with some exceptions as shown on in **Table 2-4**. Data with a relative percent difference (RPD) of greater than 50 percent were qualified.

2.5.2 Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicates (MS/MSDs) were collected at a minimum rate of 5 percent. Two MS/MSD samples were collected and analyzed for TPH-DRO, TPH-GRO, VOCs, SVOCs and metals. MS/MSDs were collected to assess any potential matrix effects associated with a site. VOCs and metals were qualified due to low MS/MSD recoveries as further discussed in the data reviews in **Appendix B** and in **Section 2.3.5**.

2.5.3 Data Review

Samples were analyzed by Agriculture and Priority Pollutants Laboratories, Inc. (APPL) of Fresno, California and submitted as part of sample delivery groups. A 100 percent data review was completed for all samples in accordance with Air Force Center for Environmental Excellence (AFCEE) Technical Services Quality Assurance Program – Quality Assurance Project Plan (QAPP) Version 4.0. Data was qualified due to surrogate recovery, method blank contamination, MS/MSD recovery, laboratory control sample (LCS) recovery, laboratory duplicate RPD and professional judgment. Data reviews completed for samples collected as part of the SD-11 CMI field investigation and summary of qualified data are located in **Appendix B**.

2.6 CMI FIELD INVESTIGATION CONCLUSIONS

Analytical results for soil samples collected from the nine soil borings completed during CMI field investigation are below NMED's TPH Screening Guideline of 940 mg/kg for kerosene and jet fuel under residential direct exposure scenarios (NMED 2006b) and current NMED SSLs for VOCs, SVOCs and metals as shown on **Table 2-2.** Even though all chemical concentrations fell below applicable SSLs, the Air Force decided to proceed with the CMI Remedial Action to address the petroleum hydrocarbon-impacted soil that was excavated and reburied in 1994.

TABLE 2-1
SUMMARY OF SAMPLES COLLECTED DURING THE CMI FIELD INVESTIGATION AT SITE SD-11 CANNON AFB, NEW MEXICO

Sample Date	Boring Location	Field ID	Depth Interval (feet)	Date Lab Received	Matrix	Investigative	Duplicate	MS/MSD	VOCs (8260B)	SVOCs (8270C)	TPH-GRO (8015B)	TPH-DRO (8015B)	Metals (6010B)
5/14/2007	SB01	C11-SB01-010	8-10	5/16/2007	Soil	x			x	x	x	x	x
5/14/2007	SB01	C11-SB01-020	18-20	5/16/2007	Soil	x			x	x	x	x	x
5/14/2007	SB01	C11-SB01-024	22-24	5/16/2007	Soil	x			x	x	x	x	x
5/15/2007	SB02	C11-SB02-007	5.3-7.3	5/16/2007	Soil	x			x	x	x	x	x
5/15/2007	SB02	C11-SB02-013	11-13	5/16/2007	Soil	x			x	x	x	x	x
5/15/2007	SB02	C11-SB02-019	16.9-18.9	5/16/2007	Soil	x		x	x	x	x	x	x
5/15/2007	SB03	C11-SB03-018	16.4-18.4	5/16/2007	Soil	x			x	x	x	x	x
5/15/2007	SB03	C11-SB03-023	20.5-22.5	5/16/2007	Soil	x			x	x	x	x	x
5/15/2007	SB03	C11-SB03-027	25-27.5	5/16/2007	Soil	x			x	x	x	x	x
5/15/2007	SB04	C11-SB04-018	16.4-18.1	5/16/2007	Soil	x			x	x	x	x	x
5/15/2007	SB04	C11-SB04-025	23-25	5/16/2007	Soil	x			x	x	x	x	x
5/15/2007	SB04	C11-SB04-030	28-30	5/16/2007	Soil	x			x	x	x	x	x
5/15/2007	SB04	C11-SB04-218	16.4-18.1	5/16/2007	Soil		x		x	x	x	x	x
5/15/2007	SB05	C11-SB05-009	6.5-8.5	5/16/2007	Soil	x			x	x	x	x	x
5/15/2007	SB05	C11-SB05-018	16-18	5/16/2007	Soil	x			x	x	x	x	x
5/15/2007	SB05	C11-SB05-024	22-24	5/16/2007	Soil	x			x	x	x	x	x
5/15/2007	SB05	C11-SB05-209	6.5-8.5	5/16/2007	Soil		x		x	x	x	x	x
5/16/2007	SB06	C11-SB06-008	6-8	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB06	C11-SB06-015	13-15	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB06	C11-SB06-024	21.5-23.5	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB07	C11-SB07-018	16-18	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB07	C11-SB07-218	16-18	5/17/2007	Soil		x		x	x	x	x	x
5/16/2007	SB07	C11-SB07-024	22-24	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB07	C11-SB07-034	32-34	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB08	C11-SB08-217	15-17	5/17/2007	Soil		x		x	x	x	x	x
5/16/2007	SB08	C11-SB08-017	15-17	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB08	C11-SB08-024	22-24	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB08	C11-SB08-030	28-30	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB08	C11-SB08-036	34-36	5/17/2007	Soil	x		x	x	x	x	x	x
5/16/2007	SB08	C11-SB08-042	40-42	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB08	C11-SB08-050	48-50	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB09	C11-SB09-012	10-12	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB09	C11-SB09-017	15-17	5/17/2007	Soil	x			x	x	x	x	x
5/16/2007	SB09	C11-SB09-022	21-22.2	5/17/2007	Soil	x			x	x	x	x	x

Notes:

Agriculture and Priority Pollutants Laboratory, Inc (APPL) provided analytical services.

MS/MSD = Matrix spike/matrix spike duplicate

VOCs = Volatile Organic Compounds

SVOCs = Semivolatile Organic Compounds

TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB01-010				C11-SB01-020				C11-SB01-024			
DATE COLLECTED			May 14, 2007				May 14, 2007				May 14, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	5	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	<	3.2	60	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	6	U	<	0.73	5	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	6	U	<	1.3	5	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	6	U	<	0.49	5	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2-Methylnaphthalene	1000	2 / 30	<	50.4	370	U	<	50.4	370	U	<	50.4	360	U
Biphenyl (diphenyl)	300 F	2 / 30	<	49.9	370	U	<	49.9	370	U	<	49.9	360	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	370	U	<	61.6	370	U	<	61.6	360	U
Caprolactam	3800	5 / 30	<	90	370	U	<	90	370	U	<	90	360	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	370	U	<	65.9	370	U	<	65.9	360	U
Isophorone	93 F	1 / 30	<	57	370	U	<	57	370	U	<	57	360	U
Naphthalene	220 F	1 / 30	<	50.5	370	U	<	50.5	370	U	<	50.5	360	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	<	1	11	U	<	1	11	U	<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	1	U	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	3090	4.01	13		4910	4.01	14		3610	4.01	13	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	1.5	0.21	0.8	
Arsenic	3.4	30 / 30	3	0.17	0.7		1.9	0.17	0.7		1.9	0.17	0.7	

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB01-010				C11-SB01-020				C11-SB01-024			
DATE COLLECTED			May 14, 2007				May 14, 2007				May 14, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Barium	1720	30 / 30	1060	0.94	11		92.7	0.05	0.6		171	0.05	0.6	
Beryllium	0.82	30 / 30	0.26	0.04	0.2		0.45	0.04	0.2		0.19	0.04	0.2	F
Cadmium	0.095 F	9 / 30	0.039	0.03	0.6	F	<	0.03	0.6	U	<	0.03	0.6	U
Calcium	230000	30 / 30	225000	33	448		171000	19	225		215000	33	440	
Chromium	6.8	30 / 30	3	0.03	0.6		4.5	0.03	0.6		4.7	0.03	0.6	
Cobalt	3.1	30 / 30	0.84	0.05	0.6		1.6	0.05	0.6		0.61	0.05	0.6	
Copper	3.9	30 / 30	1.5	0.09	0.6		1.6	0.09	0.6		1.2	0.09	0.6	
Iron	7310	30 / 30	2980	1.63	6		3900	1.63	6		3050	1.63	6	
Lead	8	28 / 30	0.95	0.09	6	F	1.8	0.09	6	F	<	0.09	6	U
Magnesium	9260 J	30 / 30	2760	2.41	9		4390	2.41	9		3770	2.41	9	
Manganese	107	30 / 30	34.1	0.13	0.6		50	0.13	0.6		22.6	0.13	0.6	
Mercury	0.017 F	4 / 30	0.017	0.01	0.1	F	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	4	0.07	0.6		4.3	0.07	0.6		3.2	0.07	0.6	
Potassium	1990	30 / 30	748	13.88	112		1540	13.88	113		1070	13.88	110	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	0.065	0.04	0.2	F
Sodium	87.2 F	8 / 30	<	7.36	112	U	87.2	7.36	113	F	<	7.36	110	U
Thallium	1.6 F	29 / 30	0.35	0.21	2	F	0.32	0.21	2	F	0.43	0.21	2	F
Vanadium	17.7	30 / 30	10.9	0.06	0.6		11.9	0.06	0.6		9.1	0.06	0.6	
Zinc	13.1	30 / 30	5.8	1.15	6	F	7.5	1.15	6		5.8	1.15	6	F

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
MDL = Method Detection Limit
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
J = Estimated
U = Nondetect
UJ = Estimated Nondetect
F = Result between MDL and RL

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB02-007				C11-SB02-013				C11-SB02-019			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	5	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	<	3.2	60	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	6	U	<	0.73	5	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	6	U	<	1.3	5	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	6	U	<	0.49	5	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2-Methylnaphthalene	1000	2 / 30	<	50.4	380	U	<	50.4	370	U	<	50.4	370	U
Biphenyl (diphenyl)	300 F	2 / 30	<	49.9	380	U	<	49.9	370	U	<	49.9	370	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	380	U	<	61.6	370	U	<	61.6	370	U
Caprolactam	3800	5 / 30	<	90	380	U	<	90	370	U	<	90	370	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	470	U	<	65.9	370	U	<	65.9	370	U
Isophorone	93 F	1 / 30	<	57	380	U	<	57	370	U	<	57	370	U
Naphthalene	220 F	1 / 30	<	50.5	380	U	<	50.5	370	U	<	50.5	370	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	<	1	12	U	<	1	11	U	<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	1	U	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	5530	80	278		7650	80	272		3910	4.01	13	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	<	0.21	0.8	U
Arsenic	3.4	30 / 30	3.4	0.17	0.7		2.7	0.17	0.7		1.8	0.17	0.7	

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB02-007				C11-SB02-013				C11-SB02-019			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Barium	1720	30 / 30	590	0.94	12		395	0.94	11		338	0.47	6	J
Beryllium	0.82	30 / 30	0.31	0.04	0.2		0.54	0.04	0.2		0.38	0.04	0.2	
Cadmium	0.095 F	9 / 30	0.05	0.03	0.6	F	0.048	0.03	0.6	F	<	0.03	0.6	U
Calcium	230000	30 / 30	189000	16	231		147000	16	227		46300	8.20	111	
Chromium	6.8	30 / 30	4.1	0.03	0.6		4.6	0.03	0.6		4.3	0.03	0.6	
Cobalt	3.1	30 / 30	1.4	0.05	0.6		1.9	0.05	0.6		1.4	0.05	0.6	
Copper	3.9	30 / 30	2.5	0.09	0.6		2.6	0.09	0.6		2.2	0.09	0.6	
Iron	7310	30 / 30	3950	1.63	6		6100	33	113		5010	16	55	
Lead	8	28 / 30	1.5	0.09	6	F	3.5	0.09	6	F	4.2	0.09	6	F
Magnesium	9260 J	30 / 30	2530	2.41	9		3740	2.41	9		2220	2.41	9	
Manganese	107	30 / 30	39.5	0.13	0.6		66.4	0.13	0.6		60.3	0.13	0.6	
Mercury	0.017 F	4 / 30	0.015	0.01	0.1	F	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	5.2	0.07	0.6		5.3	0.07	0.6		4	0.07	0.6	
Potassium	1990	30 / 30	1030	13.88	116		1560	13.88	113		1300	13.88	111	J
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	8 / 30	<	7.36	116	U	<	7.36	113	U	17.4	7.36	111	F
Thallium	1.6 F	29 / 30	0.29	0.21	2	F	0.63	0.21	2	F	0.68	0.21	2	F
Vanadium	17.7	30 / 30	13.1	0.06	0.6		13.7	0.06	0.6		10.1	0.06	0.6	
Zinc	13.1	30 / 30	8.3	1.15	6		10.7	1.15	6		9.2	1.15	6	

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
MDL = Method Detection Limit
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
J = Estimated
U = Nondetect
UJ = Estimated Nondetect
F = Result between MDL and RL

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB03-018				C11-SB03-023				C11-SB03-027			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	5	U	<	0.3	6	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	5	U	<	1.1	6	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	<	3.2	60	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	5	U	<	0.73	6	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	5	U	<	1.3	6	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	5	U	<	0.49	6	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	5	U	<	0.6	6	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	5	U	<	1.1	6	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2-Methylnaphthalene	1000	2 / 30	<	50.4	370	U	<	50.4	360	U	<	50.4	370	U
Biphenyl (diphenyl)	300 F	2 / 30	<	49.9	370	U	<	49.9	360	U	<	49.9	370	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	370	U	<	61.6	360	U	<	61.6	370	U
Caprolactam	3800	5 / 30	<	90	370	U	<	90	360	U	<	90	370	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	370	U	<	65.9	360	U	<	65.9	370	U
Isophorone	93 F	1 / 30	<	57	370	U	<	57	360	U	<	57	370	U
Naphthalene	220 F	1 / 30	<	50.5	370	U	<	50.5	360	U	<	50.5	370	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	4.1	1	11	F	<	1	11	U	<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	1	U	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	3750	4.01	14		5120	20	66		6150	40	134	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	<	0.21	0.8	U
Arsenic	3.4	30 / 30	1.9	0.17	0.7		1.3	0.17	0.7		1.2	0.17	0.7	

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB03-018				C11-SB03-023				C11-SB03-027			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Barium	1720	30 / 30	125	0.05	0.6		138	0.05	0.6		113	0.05	0.6	
Beryllium	0.82	30 / 30	0.28	0.04	0.2		0.34	0.04	0.2		0.3	0.04	0.2	
Cadmium	0.095 F	9 / 30	0.033	0.03	0.6	F	<	0.03	0.6	U	<	0.03	0.6	U
Calcium	230000	30 / 30	195000	33	450		47600	4.1	55		85700	8.2	112	
Chromium	6.8	30 / 30	3.9	0.03	0.6		4.8	0.03	0.6		4.9	0.03	0.6	
Cobalt	3.1	30 / 30	1.4	0.05	0.6		1.3	0.05	0.6		1.3	0.05	0.6	
Copper	3.9	30 / 30	1.6	0.09	0.6		2	0.09	0.6		1.3	0.09	0.6	
Iron	7310	30 / 30	3540	1.63	6		4460	8.2	27		5070	16.3	56	
Lead	8	28 / 30	1.4	0.09	6	F	3.3	0.09	6	F	2	0.09	6	F
Magnesium	9260 J	30 / 30	3160	2.41	9		2970	2.41	9		4990	2.41	9	
Manganese	107	30 / 30	59.3	0.13	0.6		27.8	0.13	0.6		43.1	0.13	0.6	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	4.1	0.07	0.6		4.5	0.07	0.6		4.1	0.07	0.6	
Potassium	1990	30 / 30	1240	13.88	113		1310	13.88	110		1110	13.88	112	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	8 / 30	<	7.36	113	U	10.2	7.36	110	F	<	7.36	112	U
Thallium	1.6 F	29 / 30	0.27	0.21	2	F	0.56	0.21	2	F	0.55	0.21	2	F
Vanadium	17.7	30 / 30	12	0.06	0.6		11.2	0.06	0.6		13.3	0.06	0.6	
Zinc	13.1	30 / 30	6	1.15	6		7.5	1.15	6		7.8	1.15	6	

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
MDL = Method Detection Limit
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
J = Estimated
U = Nondetect
UJ = Estimated Nondetect
F = Result between MDL and RL

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB04-018				C11-SB04-025				C11-SB04-030			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	5	U	<	0.3	6	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	6	U	<	1.4	7	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	5	U	<	1.1	6	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	50	U	<	3.2	60	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	5	U	<	0.73	6	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	5	U	<	1.3	6	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	5	U	<	0.49	6	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	5	U	<	0.6	6	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	6	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	5	U	<	1.1	6	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2-Methylnaphthalene	1000	2 / 30	<	50.4	380	U	<	50.4	360	U	<	50.4	370	U
Biphenyl (diphenyl)	300 F	2 / 30	<	49.9	380	U	<	49.9	360	U	<	49.9	370	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	380	U	9300	616	3600		<	61.6	370	U
Caprolactam	3800	5 / 30	<	90	380	U	<	90	360	U	<	90	370	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	380	U	<	65.9	360	U	<	65.9	370	U
Isophorone	93 F	1 / 30	<	57	380	U	<	57	360	U	<	57	370	U
Naphthalene	220 F	1 / 30	<	50.5	380	U	<	50.5	360	U	<	50.5	370	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	4	1	11	F	13	1	11		6.7	1	11	F
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	10	U	<	0.3	11	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	6810	80	273		4920	40	131		5930	80	268	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	<	0.21	0.8	U
Arsenic	3.4	30 / 30	1.9	0.17	0.7		1.9	0.17	0.7		1.7	0.17	0.7	

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB04-018				C11-SB04-025				C11-SB04-030			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Barium	1720	30 / 30	343	0.94	11		172	0.05	0.5		252	0.94	11	
Beryllium	0.82	30 / 30	0.41	0.04	0.2		0.25	0.04	0.2		0.25	0.04	0.2	
Cadmium	0.095 F	9 / 30	0.033	0.03	0.6	F	<	0.03	0.5	U	<	0.03	0.6	U
Calcium	230000	30 / 30	140000	16	227		81300	8.20	109		154000	16	224	
Chromium	6.8	30 / 30	4.5	0.03	0.6		4.6	0.03	0.5		6.8	0.03	0.6	
Cobalt	3.1	30 / 30	1.6	0.05	0.6		1.1	0.05	0.5		0.81	0.05	0.6	
Copper	3.9	30 / 30	1.8	0.09	0.6		1.7	0.09	0.5		1.9	0.09	0.6	
Iron	7310	30 / 30	5550	33	114		3930	1.63	5		3930	1.63	6	
Lead	8	28 / 30	2.5	0.09	6	F	2.3	0.09	5	F	0.85	0.09	6	F
Magnesium	9260 J	30 / 30	4060	2.41	9		2640	2.41	9		5300	2.41	9	
Manganese	107	30 / 30	63	0.13	0.6		45.5	0.13	0.5		47.4	0.13	0.6	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	5	0.07	0.6		3.8	0.07	0.5		3.9	0.07	0.6	
Potassium	1990	30 / 30	1760	13.88	114		1240	13.88	109		1010	13.88	112	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	8 / 30	<	7.36	114	U	<	7.36	109	U	<	7.36	112	U
Thallium	1.6 F	29 / 30	0.26	0.21	2	F	0.66	0.21	2	F	0.55	0.21	2	F
Vanadium	17.7	30 / 30	13	0.06	0.6		13.4	0.06	0.5		16	0.06	0.6	
Zinc	13.1	30 / 30	8.4	1.15	6		7.6	1.15	5		10.2	1.15	6	

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
MDL = Method Detection Limit
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
J = Estimated
U = Nondetect
UJ = Estimated Nondetect
F = Result between MDL and RL

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB05-009				C11-SB05-018				C11-SB05-024			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	300	3.2	60	J
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	6	U	<	0.73	6	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	6	U	<	1.3	6	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	6	U	<	0.49	6	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2-Methylnaphthalene	1000	2 / 30	<	50.4	400	U	<	50.4	370	U	<	50.4	370	U
Biphenyl (diphenyl)	300 F	2 / 30	<	49.9	400	U	<	49.9	370	U	<	49.9	370	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	400	U	<	61.6	370	U	<	61.6	370	U
Caprolactam	3800	5 / 30	<	90	400	U	<	90	370	U	<	90	370	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	400	U	<	65.9	370	U	4500	329.5	1800	
Isophorone	93 F	1 / 30	<	57	400	U	<	57	370	U	<	57	370	U
Naphthalene	220 F	1 / 30	<	50.5	400	U	<	50.5	370	U	<	50.5	370	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	<	1	12	U	<	1	11	U	<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	1	U	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	3840	4.01	14		6600	80	272		6160	40	134	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	<	0.21	0.8	U
Arsenic	3.4	30 / 30	1.9	0.17	0.7		2	0.17	0.7		2.6	0.17	0.7	

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB05-009				C11-SB05-018				C11-SB05-024			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Barium	1720	30 / 30	169	0.05	0.6		152	0.05	0.6		66.4	0.05	0.6	
Beryllium	0.82	30 / 30	0.23	0.04	0.2		0.39	0.04	0.2		0.38	0.04	0.2	
Cadmium	0.095 F	9 / 30	0.05	0.03	0.6	F	<	0.03	0.6	U	<	0.03	0.6	U
Calcium	230000	30 / 30	211000	33	480		92600	16	227		77100	8.2	111	
Chromium	6.8	30 / 30	3	0.03	0.6		6	0.03	0.6		6.1	0.03	0.6	
Cobalt	3.1	30 / 30	1.1	0.05	0.6		2.3	0.05	0.6		2	0.05	0.6	
Copper	3.9	30 / 30	1.7	0.09	0.6		2.8	0.09	0.6		2.8	0.09	0.6	
Iron	7310	30 / 30	2810	1.63	6		6510	33	113		6290	16	56	
Lead	8	28 / 30	0.41	0.09	6	F	3.4	0.09	6	F	3.7	0.09	6	F
Magnesium	9260 J	30 / 30	2270	2.41	10		3910	2.41	9		3570	2.41	9	
Manganese	107	30 / 30	30	0.13	0.6		77.6	0.13	0.6		72.8	0.13	0.6	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	3.2	0.07	0.6		6.3	0.07	0.6		5.6	0.07	0.6	
Potassium	1990	30 / 30	768	13.88	120		1780	13.88	113		1770	13.88	111	
Selenium	0.31 F	2 / 30	<	0.24	1	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	8 / 30	<	7.36	120	U	<	7.36	113	U	<	7.36	111	U
Thallium	1.6 F	29 / 30	0.49	0.21	2	F	0.6	0.21	2	F	0.6	0.21	2	F
Vanadium	17.7	30 / 30	8.4	0.06	0.6		13.4	0.06	0.6		16.1	0.06	0.6	
Zinc	13.1	30 / 30	7.1	1.15	6		11.8	1.15	6		10.5	1.15	6	

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
MDL = Method Detection Limit
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
J = Estimated
U = Nondetect
UJ = Estimated Nondetect
F = Result between MDL and RL

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB06-008				C11-SB06-015				C11-SB06-024			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	5	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	<	3.2	60	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	6	U	<	0.73	5	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	6	U	<	1.3	5	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	6	U	<	0.49	5	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2-Methylnaphthalene	1000	2 / 30	<	50.4	390	U	<	50.4	380	U	<	50.4	360	U
Biphenyl (diphenyl)	300 F	2 / 30	<	49.9	390	U	<	49.9	380	U	<	49.9	360	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	390	U	<	61.6	380	U	<	61.6	360	U
Caprolactam	3800	5 / 30	<	90	390	U	<	90	380	U	<	90	360	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	390	U	<	65.9	380	U	<	65.9	360	U
Isophorone	93 F	1 / 30	<	57	390	U	<	57	380	U	<	57	360	U
Naphthalene	220 F	1 / 30	<	50.5	390	U	<	50.5	380	U	<	50.5	360	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	<	1	12	U	<	1	11	U	<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	1	U	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	4980	160	570		6830	80	275		3470	4.01	13	
Antimony	1.9	4 / 30	<	0.21	1.5	U	1.9	0.21	0.8		<	0.21	0.8	U
Arsenic	3.4	30 / 30	2.7	0.17	0.7		2.7	0.17	0.7		1.9	0.17	0.7	

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB06-008				C11-SB06-015				C11-SB06-024			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Barium	1720	30 / 30	103	0.05	0.6		1160	0.94	11		84.1	0.05	0.6	
Beryllium	0.82	30 / 30	0.26	0.04	0.2		0.47	0.04	0.2		0.28	0.04	0.2	
Cadmium	0.095 F	9 / 30	0.062	0.03	0.6	F	<	0.03	0.6	U	<	0.03	0.6	U
Calcium	230000	30 / 30	202000	33	475		183000	16	229		57000	8.2	109	
Chromium	6.8	30 / 30	3.6	0.03	0.6		4.8	0.03	0.6		4	0.03	0.6	
Cobalt	3.1	30 / 30	1.4	0.05	0.6		1.6	0.05	0.6		1.5	0.05	0.6	
Copper	3.9	30 / 30	2.3	0.09	0.6		1.9	0.09	0.6		2	0.09	0.6	
Iron	7310	30 / 30	3290	1.63	6		5740	33	115		3760	1.63	6	
Lead	8	28 / 30	0.71	0.09	6	F	2.5	0.09	6	F	3	0.09	6	F
Magnesium	9260 J	30 / 30	2580	2.41	10		4700	2.41	9		2220	2.41	9	
Manganese	107	30 / 30	32.7	0.13	0.6		56.2	0.13	0.6		46.8	0.13	0.6	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	4.3	0.07	0.6		6	0.07	0.6		3.8	0.07	0.6	
Potassium	1990	30 / 30	872	13.88	119		1750	13.88	115		1110	13.88	109	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	8 / 30	<	7.36	119	U	<	7.36	115	U	51.3	7.36	109	F
Thallium	1.6 F	29 / 30	0.32	0.21	2	F	<	0.21	2	U	0.83	0.21	2	F
Vanadium	17.7	30 / 30	9.9	0.06	0.6		14.5	0.06	0.6		13	0.06	0.6	
Zinc	13.1	30 / 30	6.8	1.15	6		10.4	1.15	6		7.2	1.15	6	

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
MDL = Method Detection Limit
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
J = Estimated
U = Nondetect
UJ = Estimated Nondetect
F = Result between MDL and RL

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB07-018				C11-SB07-024				C11-SB07-034			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	<	3.2	60	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	6	U	<	0.73	6	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	6	U	<	1.3	6	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	6	U	<	0.49	6	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2-Methylnaphthalene	1000	2 / 30	<	50.4	380	U	<	50.4	370	U	<	50.4	370	U
Biphenyl (diphenyl)	300 F	2 / 30	<	49.9	380	U	<	49.9	370	U	<	49.9	370	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	380	U	<	61.6	370	U	<	61.6	370	U
Caprolactam	3800	5 / 30	<	90	380	U	<	90	370	U	<	90	370	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	380	U	<	65.9	370	U	<	65.9	370	U
Isophorone	93 F	1 / 30	<	57	380	U	<	57	370	U	<	57	370	U
Naphthalene	220 F	1 / 30	<	50.5	380	U	<	50.5	370	U	<	50.5	370	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	<	1	11	U	<	1	11	U	<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	1	U	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	7460	20	69		6740	80	268		6330	40	135	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	<	0.21	0.8	U
Arsenic	3.4	30 / 30	2.8	0.17	0.7		2.3	0.17	0.7		0.98	0.17	0.7	

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB07-018				C11-SB07-024				C11-SB07-034			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Barium	1720	30 / 30	70.7	0.05	0.6		111	0.05	0.6		28.8	0.05	0.6	
Beryllium	0.82	30 / 30	0.82	0.04	0.2		0.37	0.04	0.2		0.22	0.04	0.2	
Cadmium	0.095 F	9 / 30	<	0.03	0.6	U	<	0.03	0.6	U	<	0.03	0.6	U
Calcium	230000	30 / 30	23100	4.1	57		101000	16	223		51500	8.2	112	
Chromium	6.8	30 / 30	6.5	0.03	0.6		5.9	0.03	0.6		4.7	0.03	0.6	
Cobalt	3.1	30 / 30	3.1	0.05	0.6		1.7	0.05	0.6		1.2	0.05	0.6	
Copper	3.9	30 / 30	3.9	0.09	0.6		2.3	0.09	0.6		1.5	0.09	0.6	
Iron	7310	30 / 30	7310	8.2	29		5990	33	112		3690	1.63	6	
Lead	8	28 / 30	8	0.09	6		2.8	0.09	6	F	1.8	0.09	6	F
Magnesium	9260 J	30 / 30	3700	2.41	9		3950	2.41	9		7260	2.41	9	
Manganese	107	30 / 30	107	0.13	0.6		57.1	0.13	0.6		31.6	0.13	0.6	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	7.1	0.07	0.6		5.4	0.07	0.6		4	0.07	0.6	
Potassium	1990	30 / 30	1990	13.88	115		1790	13.88	112		1060	13.88	112	
Selenium	0.31 F	2 / 30	0.28	0.24	0.9	F	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	8 / 30	51.7	7.36	115	F	<	7.36	112	U	16.6	7.36	112	F
Thallium	1.6 F	29 / 30	1	0.21	2	F	0.65	0.21	2	F	1.6	0.21	2	F
Vanadium	17.7	30 / 30	17.7	0.06	0.6		14.3	0.06	0.6		13.8	0.06	0.6	
Zinc	13.1	30 / 30	13.1	1.15	6		10	1.15	6		7.3	1.15	6	

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
MDL = Method Detection Limit
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
J = Estimated
U = Nondetect
UJ = Estimated Nondetect
F = Result between MDL and RL

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-017				C11-SB08-024				C11-SB08-030			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,2-Trichloroethane	10	1 / 30	10	0.3	6		<	0.3	6	U	<	0.3	6	U
1,2,4-Trimethylbenzene	400	1 / 30	400	1.4	7		<	1.4	7	U	<	1.4	7	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	100	1.1	6		<	1.1	6	U	<	1.1	6	U
Acetone	300 J	1 / 30	<	3.2	100	U	<	3.2	60	U	<	3.2	100	U
Ethylbenzene	50	1 / 30	50	0.73	6		<	0.73	6	U	<	0.73	6	U
Isopropylbenzene (Cumene)	50	1 / 30	50	1.3	6	J	<	1.3	6	U	<	1.3	6	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	90	0.49	6	J	<	0.49	6	U	<	0.49	6	U
Naphthalene	80	1 / 30	80	0.5	6		<	0.5	6	U	<	0.5	6	U
n-Butylbenzene	60	1 / 30	60	0.6	6		<	0.6	6	U	<	0.6	6	U
n-Propylbenzene	80	1 / 30	80	0.5	6		<	0.5	6	U	<	0.5	6	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	10	0.7	6		<	0.7	6	U	<	0.7	6	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	40	0.5	7		<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	50	1.1	6		<	1.1	6	U	<	1.1	6	U
t-Butylbenzene	50	1 / 30	50	0.5	6		<	0.5	6	U	<	0.5	6	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2-Methylnaphthalene	1000	2 / 30	1000	50.4	380		69	50.4	370	F	<	50.4	370	UJ
Biphenyl (diphenyl)	300 F	2 / 30	300	49.9	380	F	120	49.9	370	F	<	49.9	370	UJ
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	380	U	<	61.6	370	U	<	61.6	370	UJ
Caprolactam	3800	5 / 30	3600	90	380	J	3800	90	370		870	90	370	J
Di-n-butylphthalate	4500	1 / 30	<	65.9	380	U	<	65.9	370	U	<	65.9	370	UJ
Isophorone	93 F	1 / 30	<	57	380	U	<	57	370	U	<	57	370	UJ
Naphthalene	220 F	1 / 30	220	50.5	380	F	<	50.5	370	U	<	50.5	370	UJ
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	170	5	110		230	10	110		110	2	23	
Gasoline Hydrocarbons	160 J	6 / 30	150	0.3	11	J	160	0.3	11	J	59	0.3	11	J
METALS (mg/kg)														
Aluminum	7650	30 / 30	5330	80	275		3900	4.01	13		5560	80	271	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.91	U	<	0.21	0.85	U
Arsenic	3.4	30 / 30	2.4	0.17	0.7		1.4	0.17	0.7		1.1	0.17	0.7	

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-017				C11-SB08-024				C11-SB08-030			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Barium	1720	30 / 30	374	0.94	11		291	0.94	11		128	0.05	0.6	
Beryllium	0.82	30 / 30	0.39	0.04	0.2		0.22	0.04	0.2		0.2	0.04	0.2	
Cadmium	0.095 F	9 / 30	0.046	0.03	0.6	F	<	0.03	0.6	U	<	0.03	0.6	U
Calcium	230000	30 / 30	109000	16	229		147000	16	223		120000	16	226	
Chromium	6.8	30 / 30	5	0.03	0.6		5	0.03	0.6		4	0.03	0.6	
Cobalt	3.1	30 / 30	1.9	0.05	0.6		1	0.05	0.6		0.88	0.05	0.6	
Copper	3.9	30 / 30	2.5	0.09	0.6		1.7	0.09	0.6		1.2	0.09	0.6	
Iron	7310	30 / 30	5840	33	114		3430	1.63	6		3340	1.63	6	
Lead	8	28 / 30	3.4	0.09	6	F	0.78	0.09	6	F	1.1	0.09	6	F
Magnesium	9260 J	30 / 30	3880	2.41	9		3360	2.41	9		5530	2.41	9	
Manganese	107	30 / 30	59	0.13	0.6		42.8	0.13	0.6		57.9	0.13	0.6	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	5.7	0.07	0.6		3.7	0.07	0.6		3.5	0.07	0.6	
Potassium	1990	30 / 30	1780	13.88	114		1110	13.88	111		945	13.88	113	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	8 / 30	<	7.36	114	U	<	7.36	111	U	<	7.36	113	U
Thallium	1.6 F	29 / 30	0.47	0.21	2	F	0.37	0.21	2	F	0.74	0.21	2	F
Vanadium	17.7	30 / 30	13.3	0.06	0.6		7.9	0.06	0.6		14.2	0.06	0.6	
Zinc	13.1	30 / 30	9.4	1.15	6		6.2	1.15	6		6.2	1.15	6	

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
MDL = Method Detection Limit
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
J = Estimated
U = Nondetect
UJ = Estimated Nondetect
F = Result between MDL and RL

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-036				C11-SB08-042				C11-SB08-050			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,2-Trichloroethane	10	1 / 30	<	0.3	5	U	<	0.3	5	U	<	0.3	5	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	6	U	<	1.4	6	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	5	U	<	1.1	5	U	<	1.1	5	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	50	U	<	3.2	50	U
Ethylbenzene	50	1 / 30	<	0.73	5	U	<	0.73	5	U	<	0.73	5	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	5	U	<	1.3	5	U	<	1.3	5	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	5	U	<	0.49	5	U	<	0.49	5	U
Naphthalene	80	1 / 30	<	0.5	5	U	<	0.5	5	U	<	0.5	5	U
n-Butylbenzene	60	1 / 30	<	0.6	5	U	<	0.6	5	U	<	0.6	5	U
n-Propylbenzene	80	1 / 30	<	0.5	5	U	<	0.5	5	U	<	0.5	5	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	5	U	<	0.7	5	U	<	0.7	5	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	6	U	<	0.5	6	U
sec-Butylbenzene	50	1 / 30	<	1.1	5	U	<	1.1	5	U	<	1.1	5	U
t-Butylbenzene	50	1 / 30	<	0.5	5	U	<	0.5	5	U	<	0.5	5	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2-Methylnaphthalene	1000	2 / 30	<	50.4	360	U	<	50.4	350	U	<	50.4	350	UJ
Biphenyl (diphenyl)	300 F	2 / 30	<	49.9	360	U	<	49.9	350	U	<	49.9	350	UJ
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	360	U	<	61.6	350	U	<	61.6	350	UJ
Caprolactam	3800	5 / 30	2300	90	360		1000	90	350		<	90	350	UJ
Di-n-butylphthalate	4500	1 / 30	<	65.9	360	U	<	65.9	350	U	<	65.9	350	UJ
Isophorone	93 F	1 / 30	93	57	360	F	<	57	350	U	<	57	350	UJ
Naphthalene	220 F	1 / 30	<	50.5	360	U	<	50.5	350	U	<	50.5	350	UJ
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	130	5	55		72	1	11		<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	29	0.3	11		9.7	0.3	11	F	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	6150	40	132		2570	4.01	13		2390	4.01	13	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	<	0.21	0.8	U
Arsenic	3.4	30 / 30	1.1	0.17	0.7		1.1	0.17	0.6		0.77	0.17	0.6	

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-036				C11-SB08-042				C11-SB08-050			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Barium	1720	30 / 30	109	0.05	0.6		85.9	0.05	0.5		22.1	0.05	0.5	
Beryllium	0.82	30 / 30	0.23	0.04	0.2		0.14	0.04	0.2	F	0.15	0.04	0.2	F
Cadmium	0.095 F	9 / 30	<	0.03	0.6	U	<	0.03	0.5	U	<	0.03	0.5	U
Calcium	230000	30 / 30	70600	8	110		74500	8.2	107		20600	4.1	54	
Chromium	6.8	30 / 30	5.3	0.03	0.6		2.7	0.03	0.5		2.7	0.03	0.5	
Cobalt	3.1	30 / 30	1.1	0.05	0.6		0.7	0.05	0.5		1	0.05	0.5	
Copper	3.9	30 / 30	1.4	0.09	0.6		0.45	0.09	0.5	F	0.88	0.09	0.5	
Iron	7310	30 / 30	3790	1.63	6		2500	1.63	5		2630	1.63	5	
Lead	8	28 / 30	1.4	0.09	6	F	0.86	0.09	5	F	1.7	0.09	5	F
Magnesium	9260 J	30 / 30	9260	2.41	9	J	3210	2.41	9		3370	2.41	9	
Manganese	107	30 / 30	31.6	0.13	0.6		22.1	0.13	0.5		32.8	0.13	0.5	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	4.2	0.07	0.6		2.5	0.07	0.5		2.6	0.07	0.5	
Potassium	1990	30 / 30	1080	13.88	110		627	13.88	107		536	13.88	107	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	0.31	0.24	0.9	F
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	8 / 30	15.2	7.36	110	F	<	7.36	107	U	40.1	7.36	107	F
Thallium	1.6 F	29 / 30	1	0.21	2	F	0.64	0.21	2	F	1	0.21	2	F
Vanadium	17.7	30 / 30	14.9	0.06	0.6		6.4	0.06	0.5		7.8	0.06	0.5	
Zinc	13.1	30 / 30	6.4	1.15	6		4.3	1.15	5	F	5.3	1.15	5	

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
MDL = Method Detection Limit
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
J = Estimated
U = Nondetect
UJ = Estimated Nondetect
F = Result between MDL and RL

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB09-012				C11-SB09-017				C11-SB09-022			
DATE COLLECTED			May 17, 2007				May 17, 2007				May 17, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	<	3.2	60	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	6	U	<	0.73	6	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	6	U	<	1.3	6	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	6	U	<	0.49	6	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2-Methylnaphthalene	1000	2 / 30	<	50.4	3800	U	<	50.4	380	U	<	50.4	370	U
Biphenyl (diphenyl)	300 F	2 / 30	<	49.9	3800	U	<	49.9	380	U	<	49.9	370	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	3800	U	<	61.6	380	U	<	61.6	370	U
Caprolactam	3800	5 / 30	<	90	3800	U	<	90	380	U	<	90	370	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	3800	U	<	65.9	790	U	<	65.9	570	U
Isophorone	93 F	1 / 30	<	57	3800	U	<	57	380	U	<	57	370	U
Naphthalene	220 F	1 / 30	<	50.5	3800	U	<	50.5	380	U	<	50.5	370	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	470	5	58	J	330	5	57		17	1	11	
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	0.4	0.3	1	F	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	3660	4.01	14		7070	80	274		3280	4.01	14	
Antimony	1.9	4 / 30	1.5	0.21	0.8		<	0.21	0.8	U	1.6	0.21	0.8	J
Arsenic	3.4	30 / 30	2.8	0.17	0.7		2.1	0.17	0.7		1.6	0.17	0.7	

TABLE 2-2
SUMMARY OF COMPOUNDS DETECTED IN CMI FIELD INVESTIGATION SOIL SAMPLES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB09-012				C11-SB09-017				C11-SB09-022			
DATE COLLECTED			May 17, 2007				May 17, 2007				May 17, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Barium	1720	30 / 30	1720	1.9	23		358	0.94	11		333	1.90	23	
Beryllium	0.82	30 / 30	0.31	0.04	0.2		0.58	0.04	0.2		0.16	0.04	0.2	F
Cadmium	0.095 F	9 / 30	0.095	0.03	0.6	F	<	0.03	0.6	U	<	0.03	0.6	UJ
Calcium	230000	30 / 30	206000	33	461		103000	16.4	228		230000	32.8	450	
Chromium	6.8	30 / 30	3	0.03	0.6		6.2	0.03	0.6		3.2	0.03	0.6	J
Cobalt	3.1	30 / 30	0.55	0.05	0.6	F	2.1	0.05	0.6		0.44	0.05	0.6	J
Copper	3.9	30 / 30	1.6	0.09	0.6		3.2	0.09	0.6		0.53	0.09	0.6	F
Iron	7310	30 / 30	3330	1.63	6		6880	32.60	114		2520	1.63	6	
Lead	8	28 / 30	1.1	0.09	6	F	4.3	0.09	6	F	<	0.09	6	UJ
Magnesium	9260 J	30 / 30	2510	2.41	9		4010	2.41	9		5660	2.41	9	J
Manganese	107	30 / 30	98.2	0.13	0.6		53.9	0.13	0.6		33.6	0.13	0.6	J
Mercury	0.017 F	4 / 30	0.012	0.01	0.1	F	0.013	0.01	0.1	F	<	0.01	0.1	U
Nickel	7.1	30 / 30	3.7	0.07	0.6		6.2	0.07	0.6		2.4	0.07	0.6	J
Potassium	1990	30 / 30	928	13.88	115		1960	13.88	114		666	13.88	113	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	UJ
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	0.089	0.04	0.2	F
Sodium	87.2 F	8 / 30	<	7.36	115	U	<	7.36	114	U	<	7.36	113	U
Thallium	1.6 F	29 / 30	0.63	0.21	2	F	0.64	0.21	2	F	0.98	0.21	2	J
Vanadium	17.7	30 / 30	10.6	0.06	0.6		15.7	0.06	0.6		14.3	0.06	0.6	J
Zinc	13.1	30 / 30	8.4	1.15	6		12.7	1.15	6		3.7	1.15	6	J

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
MDL = Method Detection Limit
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
J = Estimated
U = Nondetect
UJ = Estimated Nondetect
F = Result between MDL and RL

TABLE 2-3
COMPARISON OF SITE SD-11 MAXIMUM SOIL CONCENTRATIONS TO SSLs AND BACKGROUND CONCENTRATIONS CANNON AFB, NEW MEXICO

Chemical	Maximum Detected Concentration (mg/kg)	Qual	Residential Soil Screening Levels (mg/kg) [1]	Background Concentration (mg/kg)	Exceeds SSL ?	Exceeds Background ?
VOLATILE ORGANIC COMPOUNDS						
1,1,2-Trichloroethane	1.00E-02		1.19E+01		NO	
1,2,4-Trimethylbenzene	4.00E-01		5.80E+01		NO	
1,3,5-Trimethylbenzene	1.00E-01		2.48E+01		NO	
Acetone	3.00E-01	J	2.81E+04		NO	
Ethylbenzene	5.00E-02		1.28E+02		NO	
Isopropylbenzene (Cumene)	5.00E-02		2.71E+02		NO	
m,p-Xylene (sum of isomers)	9.00E-02	J	8.20E+01		NO	
Naphthalene	8.00E-02		7.95E+01		NO	
n-Butylbenzene	6.00E-02		6.21E+01		NO	
n-Propylbenzene	8.00E-02		6.21E+01		NO	
o-Xylene (1,2-Dimethylbenzene)	1.00E-02		9.95E+01		NO	
p-Cymene (p-Isopropyltoluene)	4.00E-02	J	N/A		NO	
sec-Butylbenzene	5.00E-02		6.06E+01		NO	
t-Butylbenzene	5.00E-02		1.06E+02		NO	
SEMIVOLATILE ORGANIC COMPOUNDS						
2-Methylnaphthalene	1.00E+00		N/A		NO	
Biphenyl (diphenyl)	3.00E-01	F	N/A		NO	
bis(2-Ethylhexyl)phthalate	9.30E+00		3.47E+02		NO	
Caprolactam	3.80E+00	J	N/A		NO	
Di-n-butylphthalate	4.50E+00		6.11E+03		NO	
Isophorone	9.30E-02	F	5.12E+03		NO	
Naphthalene	2.20E-01	F	7.95E+01		NO	
PETROLEUM HYDROCARBONS						
Diesel Hydrocarbons	4.70E+02	J	9.40E+02		NO	
Gasoline Hydrocarbons	1.60E+02	J	9.40E+02		NO	
METALS						
Aluminum	7.65E+03		7.78E+04	1.22E+04	NO	NO
Antimony	1.90E+00		3.13E+01	N/A	NO	N/A
Arsenic	3.40E+00		3.90E+00	4.30E+00	NO	NO
Barium	1.72E+03		1.56E+04	8.90E+02	NO	YES
Beryllium	8.20E-01		1.56E+02	7.30E-01	NO	YES
Cadmium	9.50E-02	F	3.90E+01	N/A	NO	N/A
Calcium	2.30E+05		N/A	2.37E+05	NO	NO
Chromium	6.80E+00		2.34E+02	1.33E+01	NO	NO
Cobalt	3.10E+00		1.52E+03	4.70E+00	NO	NO
Copper	3.90E+00		3.13E+03	8.30E+00	NO	NO
Iron	7.31E+03		2.35E+04	1.31E+04	NO	NO
Lead	8.00E+00		4.00E+02	8.70E+00	NO	NO
Magnesium	9.26E+03	J	N/A	1.93E+04	NO	NO
Manganese	1.07E+02		3.59E+03	3.33E+02	NO	NO
Mercury	1.70E-02	F	1.00E+05	N/A	NO	N/A
Nickel	7.10E+00		1.56E+03	1.50E+01	NO	NO
Potassium	1.99E+03		N/A	2.51E+03	NO	YES
Selenium	3.10E-01	F	3.91E+02	N/A	NO	N/A
Silver	8.90E-02	F	3.91E+02	N/A	NO	N/A
Sodium	8.72E+01	F	N/A	N/A	NO	N/A
Thallium	1.60E+00	F	5.16E+00	2.70E+00	NO	NO
Vanadium	1.77E+01		7.82E+01	3.28E+01	NO	NO
Zinc	1.31E+01		2.35E+04	3.06E+01	NO	NO

Notes:

[1] NMED Soil Screening Levels Revision 4.0 (June 2006)
mg/kg = milligram per kilogram
N/A = Not Applicable
J = Estimated
Qual = Qualifier
F = Result between MDL and RL
SSL = Soil Screening Level

TABLE 2-4
CMI INVESTIGATION ANALYTICAL RESULTS FOR FIELD DUPLICATES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID	C11-SB04-018				C11-SB04-218					C11-SB05-009				C11-SB05-209				
DATE COLLECTED	May 15, 2007				May 15, 2007					May 15, 2007				May 15, 2007				
	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD
VOLATILE ORGANIC COMPOUNDS (µg/kg)																		
1,1,1,2-Tetrachloroethane	<	0.7	3	U	<	0.7	3	U		<	0.7	4	U	<	0.7	4	U	
1,1,1-Trichloroethane	<	0.5	6	U	<	0.5	6	U		<	0.5	6	U	<	0.5	6	U	
1,1,2,2-Tetrachloroethane	<	1.4	3	U	<	1.4	3	U		<	1.4	4	U	<	1.4	4	U	
1,1,2-Trichloroethane	<	0.3	6	U	<	0.3	6	U		<	0.3	6	U	<	0.3	6	U	
1,1-Dichloroethane	<	0.3	6	U	<	0.3	6	U		<	0.3	6	U	<	0.3	6	U	
1,1-Dichloroethene	<	0.9	7	U	<	0.9	7	U		<	0.9	7	U	<	0.9	7	U	
1,1-Dichloropropene	<	0.7	6	U	<	0.7	6	U		<	0.7	6	U	<	0.7	6	U	
1,2,3-Trichlorobenzene	<	0.3	6	U	<	0.3	6	U		<	0.3	6	U	<	0.3	6	U	
1,2,3-Trichloropropane	<	1.4	6	U	<	1.4	6	U		<	1.4	6	U	<	1.4	6	U	
1,2,4-Trichlorobenzene	<	0.6	6	U	<	0.6	6	U		<	0.6	6	U	<	0.6	6	U	
1,2,4-Trimethylbenzene	<	1.4	7	U	<	1.4	7	U		<	1.4	7	U	<	1.4	7	U	
1,2-Dibromo-3-Chloropropane	<	2	10	U	<	2	10	U		<	2	10	U	<	2	10	U	
1,2-Dibromoethane (Ethylene Dibromide)	<	0.7	6	U	<	0.7	6	U		<	0.7	6	U	<	0.7	6	U	
1,2-Dichlorobenzene	<	0.6	6	U	<	0.6	6	U		<	0.6	6	U	<	0.6	6	U	
1,2-Dichloroethane	<	0.1	3	U	<	0.1	3	U		<	0.1	4	U	<	0.1	4	U	
1,2-Dichloroethene (cis)	<	0.25	6	U	<	0.25	6	U		<	0.25	6	U	<	0.25	6	U	
1,2-Dichloroethene (trans)	<	0.39	6	U	<	0.39	6	U		<	0.39	6	U	<	0.39	6	U	
1,2-Dichloropropane	<	0.7	6	U	<	0.7	6	U		<	0.7	6	U	<	0.7	6	U	
1,3,5-Trimethylbenzene (Mesitylene)	<	1.1	6	U	<	1.1	6	U		<	1.1	6	U	<	1.1	6	U	
1,3-Dichlorobenzene	<	0.8	7	U	<	0.8	7	U		<	0.8	7	U	<	0.8	7	U	
1,3-Dichloropropane	<	0.7	2	U	<	0.7	2	U		<	0.7	2	U	<	0.7	2	U	
1,4-Dichlorobenzene	<	0.8	2	U	<	0.8	2	U		<	0.8	2	U	<	0.8	2	U	
2,2-Dichloropropane	<	0.76	6	U	<	0.76	6	U		<	0.76	6	U	<	0.76	6	U	
2-Chlorotoluene	<	1.1	6	U	<	1.1	6	U		<	1.1	6	U	<	1.1	6	U	
4-Chlorotoluene	<	1.2	6	U	<	1.2	6	U		<	1.2	6	U	<	1.2	6	U	
4-Methyl-2-Pentanone	<	2	20	U	<	2	20	U		<	2	20	U	<	2	20	U	
Acetone	<	3.2	60	U	<	3.2	60	U		<	3.2	60	U	<	3.2	60	U	
Benzene	<	0.72	2	U	<	0.72	2	U		<	0.72	2	U	<	0.72	2	U	
Bromobenzene	<	0.86	6	U	<	0.86	6	U		<	0.86	6	U	<	0.86	6	U	
Bromochloromethane	<	0.92	6	U	<	0.92	6	U		<	0.92	6	U	<	0.92	6	U	
Bromodichloromethane	<	0.78	2	U	<	0.78	2	U		<	0.78	2	U	<	0.78	2	U	

TABLE 2-4
CMI INVESTIGATION ANALYTICAL RESULTS FOR FIELD DUPLICATES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID	C11-SB04-018				C11-SB04-218					C11-SB05-009				C11-SB05-209				
DATE COLLECTED	May 15, 2007				May 15, 2007					May 15, 2007				May 15, 2007				
	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD
Bromoform	<	0.91	7	U	<	0.91	7	U		<	0.91	7	U	<	0.91	7	U	
Bromomethane	<	1.8	10	U	<	1.8	10	U		<	1.8	10	U	<	1.8	10	U	
Carbon Tetrachloride	<	0.9	6	U	<	0.9	6	U		<	0.9	6	U	<	0.9	6	U	
Chlorobenzene	<	0.56	2	U	<	0.56	2	U		<	0.56	2	U	<	0.56	2	U	
Chloroethane	<	1.8	6	U	<	1.8	6	U		<	1.8	6	U	<	1.8	6	U	
Chloroform	<	1.6	2	U	<	1.6	2	U		<	1.6	2	U	<	1.6	2	U	
Chloromethane	<	2.1	6	U	<	2.1	6	U		<	2.1	6	U	<	2.1	6	U	
cis-1,3-Dichloropropene	<	0.53	3	U	<	0.53	3	U		<	0.53	4	U	<	0.53	4	U	
Dibromochloromethane	<	0.97	3	U	<	0.97	3	U		<	0.97	4	U	<	0.97	4	U	
Dibromomethane	<	0.74	6	U	<	0.74	6	U		<	0.74	6	U	<	0.74	6	U	
Dichlorodifluoromethane	<	0.94	6	U	<	0.94	6	U		<	0.94	6	U	<	0.94	6	U	
Ethylbenzene	<	0.73	6	U	<	0.73	6	U		<	0.73	6	U	<	0.73	6	U	
Hexachlorobutadiene	<	0.68	3	U	<	0.68	3	U		<	0.68	4	U	<	0.68	4	U	
Isopropylbenzene (Cumene)	<	1.3	6	U	<	1.3	6	U		<	1.3	6	U	<	1.3	6	U	
m,p-Xylene (sum of isomers)	<	0.49	6	U	<	0.49	6	U		<	0.49	6	U	<	0.49	6	U	
Methyl Ethyl Ketone (2-Butanone)	<	1	20	U	<	1	20	U		<	1	20	U	<	1	20	U	
Methyl t-Butyl Ether	<	1	20	U	<	1	20	U		<	1	20	U	<	1	20	U	
Methylene Chloride	<	0.7	6	U	<	0.7	6	U		<	0.7	6	U	<	0.7	6	U	
Naphthalene	<	0.5	6	U	<	0.5	6	U		<	0.5	6	U	<	0.5	6	U	
n-Butylbenzene	<	0.6	6	U	<	0.6	6	U		<	0.6	6	U	<	0.6	6	U	
n-Propylbenzene	<	0.5	6	U	<	0.5	6	U		<	0.5	6	U	<	0.5	6	U	
o-Xylene (1,2-Dimethylbenzene)	<	0.7	6	U	<	0.7	6	U		<	0.7	6	U	<	0.7	6	U	
p-Cymene (p-Isopropyltoluene)	<	0.5	7	U	<	0.5	7	U		<	0.5	7	U	<	0.5	7	U	
sec-Butylbenzene	<	1.1	6	U	<	1.1	6	U		<	1.1	6	U	<	1.1	6	U	
Styrene	<	0.8	6	U	<	0.8	6	U		<	0.8	6	U	<	0.8	6	U	
t-Butylbenzene	<	0.5	6	U	<	0.5	6	U		<	0.5	6	U	<	0.5	6	U	
Tetrachloroethene	<	0.6	6	U	<	0.6	6	U		<	0.6	6	U	<	0.6	6	U	
Toluene	<	0.7	6	U	<	0.7	6	U		<	0.7	6	U	<	0.7	6	U	
trans-1,3-Dichloropropene	<	0.5	6	U	<	0.5	6	U		<	0.5	6	U	<	0.5	6	U	
Trichloroethene	<	1.1	6	U	<	1.1	6	U		<	1.1	6	U	<	1.1	6	U	
Trichlorofluoromethane	<	1.4	6	U	<	1.4	6	U		<	1.4	6	U	<	1.4	6	U	
Vinyl Chloride	<	1.7	6	U	<	1.7	6	U		<	1.7	6	U	<	1.7	6	U	

TABLE 2-4
CMI INVESTIGATION ANALYTICAL RESULTS FOR FIELD DUPLICATES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID	C11-SB04-018				C11-SB04-218					C11-SB05-009				C11-SB05-209				
DATE COLLECTED	May 15, 2007				May 15, 2007					May 15, 2007				May 15, 2007				
	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)																		
2,2-Oxybis(1-chloro)propane	<	47.3	380	U	<	47.3	380	U		<	47.3	400	U	<	47.3	400	U	
2,4,5-Trichlorophenol	<	60.1	380	U	<	60.1	380	U		<	60.1	400	U	<	60.1	400	U	
2,4,6-Trichlorophenol	<	48.3	380	U	<	48.3	380	U		<	48.3	400	U	<	48.3	400	U	
2,4-Dichlorophenol	<	50.5	380	U	<	50.5	380	U		<	50.5	400	U	<	50.5	400	U	
2,4-Dimethylphenol	<	43.9	380	U	<	43.9	380	U		<	43.9	400	U	<	43.9	400	U	
2,4-Dinitrophenol	<	53.7	750	U	<	53.7	750	U		<	53.7	790	U	<	53.7	790	U	
2,4-Dinitrotoluene	<	63.8	380	U	<	63.8	380	U		<	63.8	400	U	<	63.8	400	U	
2,6-Dinitrotoluene	<	60.6	380	U	<	60.6	380	U		<	60.6	400	U	<	60.6	400	U	
2-Chloronaphthalene	<	52.4	380	U	<	52.4	380	U		<	52.4	400	U	<	52.4	400	U	
2-Chlorophenol	<	44.3	380	U	<	44.3	380	U		<	44.3	400	U	<	44.3	400	U	
2-Methylnaphthalene	<	50.4	380	U	<	50.4	380	U		<	50.4	400	U	<	50.4	400	U	
2-Methylphenol (o-cresol)	<	45.2	380	U	<	45.2	380	U		<	45.2	400	U	<	45.2	400	U	
2-Nitroaniline	<	62.4	750	U	<	62.4	750	U		<	62.4	790	U	<	62.4	790	U	
2-Nitrophenol	<	47.8	380	U	<	47.8	380	U		<	47.8	400	U	<	47.8	400	U	
3,3-Dichlorobenzidine	<	56.3	750	U	<	56.3	750	U		<	56.3	790	U	<	56.3	790	U	
3-Nitroaniline	<	61.1	750	U	<	61.1	750	U		<	61.1	790	U	<	61.1	790	U	
4,6-Dinitro-2-methylphenol	<	56.4	750	U	<	56.4	750	U		<	56.4	790	U	<	56.4	790	U	
4-Bromophenyl-phenylether	<	56.6	380	U	<	56.6	380	U		<	56.6	400	U	<	56.6	400	U	
4-Chloro-3-methylphenol	<	58.8	380	U	<	58.8	380	U		<	58.8	400	U	<	58.8	400	U	
4-Chloroaniline	<	16.5	750	U	<	16.5	750	U		<	16.5	790	U	<	16.5	790	U	
4-Chlorophenyl-phenylether	<	60.7	380	U	<	60.7	380	U		<	60.7	400	U	<	60.7	400	U	
4-Methylphenol (p-cresol)	<	46.4	380	U	<	46.4	380	U		<	46.4	400	U	<	46.4	400	U	
4-Nitroaniline	<	72.8	380	U	<	72.8	380	U		<	72.8	400	U	<	72.8	400	U	
4-Nitrophenol	<	59.8	750	U	<	59.8	750	U		<	59.8	790	U	<	59.8	790	U	
Acenaphthene	<	53.8	380	U	<	53.8	380	U		<	53.8	400	U	<	53.8	400	U	
Acenaphthylene	<	53.1	380	U	<	53.1	380	U		<	53.1	400	U	<	53.1	400	U	
Acetophenone	<	90	380	U	<	90	380	U		<	90	400	U	<	90	400	U	
Anthracene	<	61.3	380	U	<	61.3	380	U		<	61.3	400	U	<	61.3	400	U	
Atrazine	<	90	380	U	<	90	380	U		<	90	400	U	<	90	400	U	
Benzo(a)anthracene	<	58	380	U	<	58	380	U		<	58	400	U	<	58	400	U	
Benzo(a)pyrene	<	50.7	380	U	<	50.7	380	U		<	50.7	400	U	<	50.7	400	U	

TABLE 2-4
CMI INVESTIGATION ANALYTICAL RESULTS FOR FIELD DUPLICATES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID	C11-SB04-018				C11-SB04-218					C11-SB05-009				C11-SB05-209				
DATE COLLECTED	May 15, 2007				May 15, 2007					May 15, 2007				May 15, 2007				
	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD
Benzo(b)fluoranthene	<	60	380	U	<	60	380	U		<	60	400	U	<	60	400	U	
Benzo(g,h,i)perylene	<	55.2	380	U	<	55.2	380	U		<	55.2	400	U	<	55.2	400	U	
Benzo(k)fluoranthene	<	61	380	U	<	61	380	U		<	61	400	U	<	61	400	U	
Biphenyl (diphenyl)	<	90	380	U	<	90	380	U		<	90	400	U	<	90	400	U	
bis(2-Chloroethoxy)methane	<	49.9	380	U	<	49.9	380	U		<	49.9	400	U	<	49.9	400	U	
bis(2-Chloroethyl)ether	<	50	380	U	<	50	380	U		<	50	400	U	<	50	400	U	
bis(2-Ethylhexyl)phthalate	<	61.6	380	U	<	61.6	380	U		<	61.6	400	U	<	61.6	400	U	
Butylbenzylphthalate	<	55.5	380	U	<	55.5	380	U		<	55.5	400	U	<	55.5	400	U	
Caprolactam	<	90	380	U	<	90	380	U		<	90	400	U	<	90	400	U	
Carbazole	<	81.6	380	U	<	81.6	380	U		<	81.6	400	U	<	81.6	400	U	
Chrysene	<	60.6	380	U	<	60.6	380	U		<	60.6	400	U	<	60.6	400	U	
Dibenz(a,h)anthracene	<	59.4	380	U	<	59.4	380	U		<	59.4	400	U	<	59.4	400	U	
Dibenzofuran	<	57.3	380	U	<	57.3	380	U		<	57.3	400	U	<	57.3	400	U	
Diethylphthalate	<	62.1	380	U	<	62.1	380	U		<	62.1	400	U	<	62.1	400	U	
Dimethylphthalate	<	63.3	380	U	<	63.3	380	U		<	63.3	400	U	<	63.3	400	U	
Di-n-butylphthalate	<	65.9	380	U	<	65.9	380	U		<	65.9	400	U	<	65.9	400	U	
Di-n-octylphthalate	<	58.4	380	U	<	58.4	380	U		<	58.4	400	U	<	58.4	400	U	
Fluoranthene	<	65.4	380	U	<	65.4	380	U		<	65.4	400	U	<	65.4	400	U	
Fluorene	<	61.3	380	U	<	61.3	380	U		<	61.3	400	U	<	61.3	400	U	
Hexachlorobenzene	<	60.3	380	U	<	60.3	380	U		<	60.3	400	U	<	60.3	400	U	
Hexachlorobutadiene	<	51.7	380	U	<	51.7	380	U		<	51.7	400	U	<	51.7	400	U	
Hexachlorocyclopentadiene	<	44	380	U	<	44	380	U		<	44	400	U	<	44	400	U	
Hexachloroethane	<	49.9	380	U	<	49.9	380	U		<	49.9	400	U	<	49.9	400	U	
Indeno(1,2,3-cd)pyrene	<	60.4	380	U	<	60.4	380	U		<	60.4	400	U	<	60.4	400	U	
Isophorone	<	57	380	U	<	57	380	U		<	57	400	U	<	57	400	U	
Naphthalene	<	50.5	380	U	<	50.5	380	U		<	50.5	400	U	<	50.5	400	U	
Nitrobenzene	<	49.8	380	U	<	49.8	380	U		<	49.8	400	U	<	49.8	400	U	
N-Nitroso-di-n-propylamine	<	54.9	380	U	<	54.9	380	U		<	54.9	400	U	<	54.9	400	U	
N-Nitrosodiphenylamine	<	50.6	380	U	<	50.6	380	U		<	50.6	400	U	<	50.6	400	U	
Pentachlorophenol	<	58.7	750	U	<	58.7	750	U		<	58.7	790	U	<	58.7	790	U	
Phenanthrene	<	58.2	380	U	<	58.2	380	U		<	58.2	400	U	<	58.2	400	U	
Phenol	<	43	380	U	<	43	380	U		<	43	400	U	<	43	400	U	

TABLE 2-4
CMI INVESTIGATION ANALYTICAL RESULTS FOR FIELD DUPLICATES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID	C11-SB04-018				C11-SB04-218					C11-SB05-009				C11-SB05-209				
DATE COLLECTED	May 15, 2007				May 15, 2007					May 15, 2007				May 15, 2007				
	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD
Pyrene	<	54.1	380	U	<	54.1	380	U		<	54.1	400	U	<	54.1	400	U	
PETROLEUM HYDROCARBONS (mg/kg)																		
Diesel Hydrocarbons	4	1	11	F	4	1	11	F		<	1	12	U	<	1	12	U	
Gasoline Hydrocarbons	<	0.3	1	U	<	0.3	1	U		<	0.3	1	U	<	0.3	1	U	
METALS (mg/kg)																		
Aluminum	6810	80	273		7280	80	274			3840	4.01	14		3100	4.01	14		
Antimony	<	0.21	0.8	U	<	0.21	0.8	U		<	0.21	0.8	U	<	0.21	0.8	U	
Arsenic	1.9	0.17	0.7		2.4	0.17	0.7			1.9	0.17	0.7		2.3	0.17	0.7		
Barium	343	0.94	11		464	0.94	11			169	0.05	0.6		142	0.94	0.6		
Beryllium	0.41	0.04	0.2		0.5	0.04	0.2			0.23	0.04	0.2		0.22	0.04	0.2		
Cadmium	0.033	0.03	0.6	F	<	0.03	0.6	U		0.05	0.03	0.6	F	0.05	0.03	0.6	F	
Calcium	140000	16	227		185000	16	229			211000	33	480		250000	33	480		
Chromium	4.5	0.03	0.6		5.3	0.03	0.6			3	0.03	0.6		2.6	0.03	0.6		
Cobalt	1.6	0.05	0.6		2.1	0.05	0.6			1.1	0.05	0.6		1	0.05	0.6		
Copper	1.8	0.09	0.6		2.3	0.09	0.6			1.7	0.09	0.6		1.4	0.09	0.6		
Iron	5550	33	114		6500	33	114			2810	1.63	6		2550	2	6		
Lead	2.5	0.09	6	F	3.3	0.09	6	F		0.41	0.09	6	F	<	0.09	6	U	
Magnesium	4060	2.41	9		4890	2.41	9			2270	2.41	10		2320	2.41	10		
Manganese	63	0.13	0.6		79.5	0.13	0.6			30	0.13	0.6		28.8	0.13	0.6		
Mercury	<	0.01	0.1	U	<	0.01	0.1	U		<	0.01	0.1	U	<	0.01	0.1	U	
Nickel	5	0.07	0.6		5.8	0.07	0.6			3.2	0.07	0.6		3.2	0.07	0.6		
Potassium	1760	13.88	114		1950	13.88	114			768	13.88	120		718	13.88	120		
Selenium	<	0.24	0.9	U	<	0.24	0.9	U		<	0.24	1	U	<	0.24	1	U	
Silver	<	0.04	0.2	U	<	0.04	0.2	U		<	0.04	0.2	U	<	0.04	0.2	U	
Sodium	<	7.36	114	U	<	7.36	114	U		<	7.36	120	U	<	7.36	120	U	
Thallium	0.26	0.21	2	F	0.3	0.21	2	F		0.49	0.21	2	F	<	0.21	2	U	
Vanadium	13	0.06	0.6		16.5	0.06	0.6			8.4	0.06	0.6		8.3	0.06	0.6		
Zinc	8.4	1.15	6		9.3	1.15	6			7.1	1.15	6		4.8	1.15	6	F	

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
MDL = Method Detection Limit
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
J = Estimated
U = Nondetect
UJ = Estimated Nondetect
F = Result between MDL and RL

TABLE 2-4
CMI INVESTIGATION ANALYTICAL RESULTS FOR FIELD DUPLICATES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID	C11-SB07-018				C11-SB07-218					C11-SB08-017				C11-SB08-217				
DATE COLLECTED	May 16, 2007				May 16, 2007					May 16, 2007				May 16, 2007				
	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD
VOLATILE ORGANIC COMPOUNDS (µg/kg)																		
1,1,1,2-Tetrachloroethane	<	0.7	3	U	<	0.7	3	U		<	0.7	3	U	<	0.7	3	U	
1,1,1-Trichloroethane	<	0.5	6	U	<	0.5	6	U		<	0.5	6	U	<	0.5	6	U	
1,1,2,2-Tetrachloroethane	<	1.4	3	U	<	1.4	3	U		<	1.4	3	U	<	1.4	3	U	
1,1,2-Trichloroethane	<	0.3	6	U	<	0.3	6	U		10	0.3	6		10	0.3	6		
1,1-Dichloroethane	<	0.3	6	U	<	0.3	6	U		<	0.3	6	U	<	0.3	6	U	
1,1-Dichloroethene	<	0.9	7	U	<	0.9	7	U		<	0.9	7	U	<	0.9	7	U	
1,1-Dichloropropene	<	0.7	6	U	<	0.7	6	U		<	0.7	6	U	<	0.7	6	U	
1,2,3-Trichlorobenzene	<	0.3	6	U	<	0.3	6	U		<	0.3	6	U	<	0.3	6	U	
1,2,3-Trichloropropane	<	1.4	6	U	<	1.4	6	U		<	1.4	6	U	<	1.4	6	U	
1,2,4-Trichlorobenzene	<	0.6	6	U	<	0.6	6	U		<	0.6	6	U	<	0.6	6	U	
1,2,4-Trimethylbenzene	<	1.4	7	U	<	1.4	7	U		400	1.4	7		300	1.4	7		
1,2-Dibromo-3-Chloropropane	<	2	10	U	<	2	10	U		<	2	10	U	<	2	10	U	
1,2-Dibromoethane (Ethylene Dibromide)	<	0.7	6	U	<	0.7	6	U		<	0.7	6	U	<	0.7	6	U	
1,2-Dichlorobenzene	<	0.6	6	U	<	0.6	6	U		<	0.6	6	U	<	0.6	6	U	
1,2-Dichloroethane	<	0.1	3	U	<	0.1	3	U		<	0.1	3	U	<	0.1	3	U	
1,2-Dichloroethene (cis)	<	0.25	6	U	<	0.25	6	U		<	0.25	6	U	<	0.25	6	U	
1,2-Dichloroethene (trans)	<	0.39	6	U	<	0.39	6	U		<	0.39	6	U	<	0.39	6	U	
1,2-Dichloropropane	<	0.7	6	U	<	0.7	6	U		<	0.7	6	U	<	0.7	6	U	
1,3,5-Trimethylbenzene (Mesitylene)	<	1.1	6	U	<	1.1	6	U		100	1.1	6		100	1.1	6		
1,3-Dichlorobenzene	<	0.8	7	U	<	0.8	7	U		<	0.8	7	U	<	0.8	7	U	
1,3-Dichloropropane	<	0.7	2	U	<	0.7	2	U		<	0.7	2	U	<	0.7	2	U	
1,4-Dichlorobenzene	<	0.8	2	U	<	0.8	2	U		<	0.8	2	U	<	0.8	2	U	
2,2-Dichloropropane	<	0.76	6	U	<	0.76	6	U		<	0.76	6	U	<	0.76	6	U	
2-Chlorotoluene	<	1.1	6	U	<	1.1	6	U		<	1.1	6	U	<	1.1	6	U	
4-Chlorotoluene	<	1.2	6	U	<	1.2	6	U		<	1.2	6	U	<	1.2	6	U	
4-Methyl-2-Pentanone	<	2	20	U	<	2	20	U		<	2	20	U	<	2	20	U	
Acetone	<	3.2	60	U	<	3.2	60	U		<	3.2	100	U	<	3.2	100	U	
Benzene	<	0.72	2	U	<	0.72	2	U		<	0.72	2	U	<	0.72	2	U	
Bromobenzene	<	0.86	6	U	<	0.86	6	U		<	0.86	6	U	<	0.86	6	U	
Bromochloromethane	<	0.92	6	U	<	0.92	6	U		<	0.92	6	U	<	0.92	6	U	
Bromodichloromethane	<	0.78	2	U	<	0.78	2	U		<	0.78	2	U	<	0.78	2	U	

TABLE 2-4
CMI INVESTIGATION ANALYTICAL RESULTS FOR FIELD DUPLICATES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID	C11-SB07-018				C11-SB07-218					C11-SB08-017				C11-SB08-217				
DATE COLLECTED	May 16, 2007				May 16, 2007					May 16, 2007				May 16, 2007				
	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD
Bromoform	<	0.91	7	U	<	0.91	7	U		<	0.91	7	U	<	0.91	7	U	
Bromomethane	<	1.8	10	U	<	1.8	10	U		<	1.8	10	U	<	1.8	10	U	
Carbon Tetrachloride	<	0.9	6	U	<	0.9	6	U		<	0.9	6	U	<	0.9	6	U	
Chlorobenzene	<	0.56	2	U	<	0.56	2	U		<	0.56	2	U	<	0.56	2	U	
Chloroethane	<	1.8	6	U	<	1.8	6	U		<	1.8	6	U	<	1.8	6	U	
Chloroform	<	1.6	2	U	<	1.6	2	U		<	1.6	2	U	<	1.6	2	U	
Chloromethane	<	2.1	6	U	<	2.1	6	U		<	2.1	6	U	<	2.1	6	U	
cis-1,3-Dichloropropene	<	0.53	3	U	<	0.53	3	U		<	0.53	3	U	<	0.53	3	U	
Dibromochloromethane	<	0.97	3	U	<	0.97	3	U		<	0.97	3	U	<	0.97	3	U	
Dibromomethane	<	0.74	6	U	<	0.74	6	U		<	0.74	6	U	<	0.74	6	U	
Dichlorodifluoromethane	<	0.94	6	U	<	0.94	6	U		<	0.94	6	U	<	0.94	6	U	
Ethylbenzene	<	0.73	6	U	<	0.73	6	U		50	0.73	6		30	0.73	6		
Hexachlorobutadiene	<	0.68	3	U	<	0.68	3	U		<	0.68	3	U	<	0.68	3	U	
Isopropylbenzene (Cumene)	<	1.3	6	U	<	1.3	6	J		50	1.3	6	J	40	1.3	6		
m,p-Xylene (sum of isomers)	<	0.49	6	U	<	0.49	6	U		90	0.49	6	J	50	0.49	6	J	57
Methyl Ethyl Ketone (2-Butanone)	<	1	20	U	<	1	20	U		<	1	20	U	<	1	20	U	
Methyl t-Butyl Ether	<	1	20	U	<	1	20	U		<	1	20	U	<	1	20	U	
Methylene Chloride	<	0.7	6	U	<	0.7	6	U		<	0.7	6	U	<	0.7	6	U	
Naphthalene	<	0.5	6	U	<	0.5	6	U		80	0.5	6		70	0.5	6		
n-Butylbenzene	<	0.6	6	U	<	0.6	6	U		60	0.6	6		50	0.6	6		
n-Propylbenzene	<	0.5	6	U	<	0.5	6	U		80	0.5	6		60	0.5	6		
o-Xylene (1,2-Dimethylbenzene)	<	0.7	6	U	<	0.7	6	U		10	0.7	6		7	0.7	6		
p-Cymene (p-Isopropyltoluene)	<	0.5	7	U	<	0.5	7	U		40	0.5	7	J	3	0.5	7	J	172
sec-Butylbenzene	<	1.1	6	U	<	1.1	6	U		50	1.1	6		40	1.1	6		
Styrene	<	0.8	6	U	<	0.8	6	U		<	0.8	6	U	<	0.8	6	U	
t-Butylbenzene	<	0.5	6	U	<	0.5	6	U		50	0.5	6		40	0.5	6		
Tetrachloroethene	<	0.6	6	U	<	0.6	6	U		<	0.6	6	U	<	0.6	6	U	
Toluene	<	0.7	6	U	<	0.7	6	U		<	0.7	6	U	<	0.7	6	U	
trans-1,3-Dichloropropene	<	0.5	6	U	<	0.5	6	U		<	0.5	6	U	<	0.5	6	U	
Trichloroethene	<	1.1	6	U	<	1.1	6	U		<	1.1	6	U	<	1.1	6	U	
Trichlorofluoromethane	<	1.4	6	U	<	1.4	6	U		<	1.4	6	U	<	1.4	6	U	
Vinyl Chloride	<	1.7	6	U	<	1.7	6	U		<	1.7	6	U	<	1.7	6	U	

TABLE 2-4
CMI INVESTIGATION ANALYTICAL RESULTS FOR FIELD DUPLICATES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID	C11-SB07-018				C11-SB07-218					C11-SB08-017				C11-SB08-217				
DATE COLLECTED	May 16, 2007				May 16, 2007					May 16, 2007				May 16, 2007				
	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)																		
2,2-Oxybis(1-chloro)propane	<	47.3	380	U	<	47.3	380	U		<	47.3	380	U	<	47.3	380	U	
2,4,5-Trichlorophenol	<	60.1	380	U	<	60.1	380	U		<	60.1	380	U	<	60.1	380	U	
2,4,6-Trichlorophenol	<	48.3	380	U	<	48.3	380	U		<	48.3	380	U	<	48.3	380	U	
2,4-Dichlorophenol	<	50.5	380	U	<	50.5	380	U		<	50.5	380	U	<	50.5	380	U	
2,4-Dimethylphenol	<	43.9	380	U	<	43.9	380	U		<	43.9	380	U	<	43.9	380	U	
2,4-Dinitrophenol	<	53.7	760	U	<	53.7	760	U		<	53.7	760	U	<	53.7	750	U	
2,4-Dinitrotoluene	<	63.8	380	U	<	63.8	380	U		<	63.8	380	U	<	63.8	380	U	
2,6-Dinitrotoluene	<	60.6	380	U	<	60.6	380	U		<	60.6	380	U	<	60.6	380	U	
2-Chloronaphthalene	<	52.4	380	U	<	52.4	380	U		<	52.4	380	U	<	52.4	380	U	
2-Chlorophenol	<	44.3	380	U	<	44.3	380	U		<	44.3	380	U	<	44.3	380	U	
2-Methylnaphthalene	<	50.4	380	U	<	50.4	380	U		1000	50.4	380		560	50.4	380		
2-Methylphenol (o-cresol)	<	45.2	380	U	<	45.2	380	U		<	45.2	380	U	<	45.2	380	U	
2-Nitroaniline	<	62.4	760	U	<	62.4	760	U		<	62.4	760	U	<	62.4	750	U	
2-Nitrophenol	<	47.8	380	U	<	47.8	380	U		<	47.8	380	U	<	47.8	380	U	
3,3-Dichlorobenzidine	<	56.3	760	U	<	56.3	760	U		<	56.3	760	U	<	56.3	750	U	
3-Nitroaniline	<	61.1	760	U	<	61.1	760	U		<	61.1	760	U	<	61.1	750	U	
4,6-Dinitro-2-methylphenol	<	56.4	760	U	<	56.4	760	U		<	56.4	760	U	<	56.4	750	U	
4-Bromophenyl-phenylether	<	56.6	380	U	<	56.6	380	U		<	56.6	380	U	<	56.6	380	U	
4-Chloro-3-methylphenol	<	58.8	380	U	<	58.8	380	U		<	58.8	380	U	<	58.8	380	U	
4-Chloroaniline	<	16.5	760	U	<	16.5	760	U		<	16.5	760	U	<	16.5	750	U	
4-Chlorophenyl-phenylether	<	60.7	380	U	<	60.7	380	U		<	60.7	380	U	<	60.7	380	U	
4-Methylphenol (p-cresol)	<	46.4	380	U	<	46.4	380	U		<	46.4	380	U	<	46.4	380	U	
4-Nitroaniline	<	72.8	380	U	<	72.8	380	U		<	72.8	380	U	<	72.8	380	U	
4-Nitrophenol	<	59.8	760	U	<	59.8	760	U		<	59.8	760	U	<	59.8	750	U	
Acenaphthene	<	53.8	380	U	<	53.8	380	U		<	53.8	380	U	<	53.8	380	U	
Acenaphthylene	<	53.1	380	U	<	53.1	380	U		<	53.1	380	U	<	53.1	380	U	
Acetophenone	<	90	380	U	<	90	380	U		<	90	380	U	<	90	380	U	
Anthracene	<	61.3	380	U	<	61.3	380	U		<	61.3	380	U	<	61.3	380	U	
Atrazine	<	90	380	U	<	90	380	U		<	90	380	U	<	90	380	U	
Benzo(a)anthracene	<	58	380	U	<	58	380	U		<	58	380	U	<	58	380	U	
Benzo(a)pyrene	<	50.7	380	U	<	50.7	380	U		<	50.7	380	U	<	50.7	380	U	

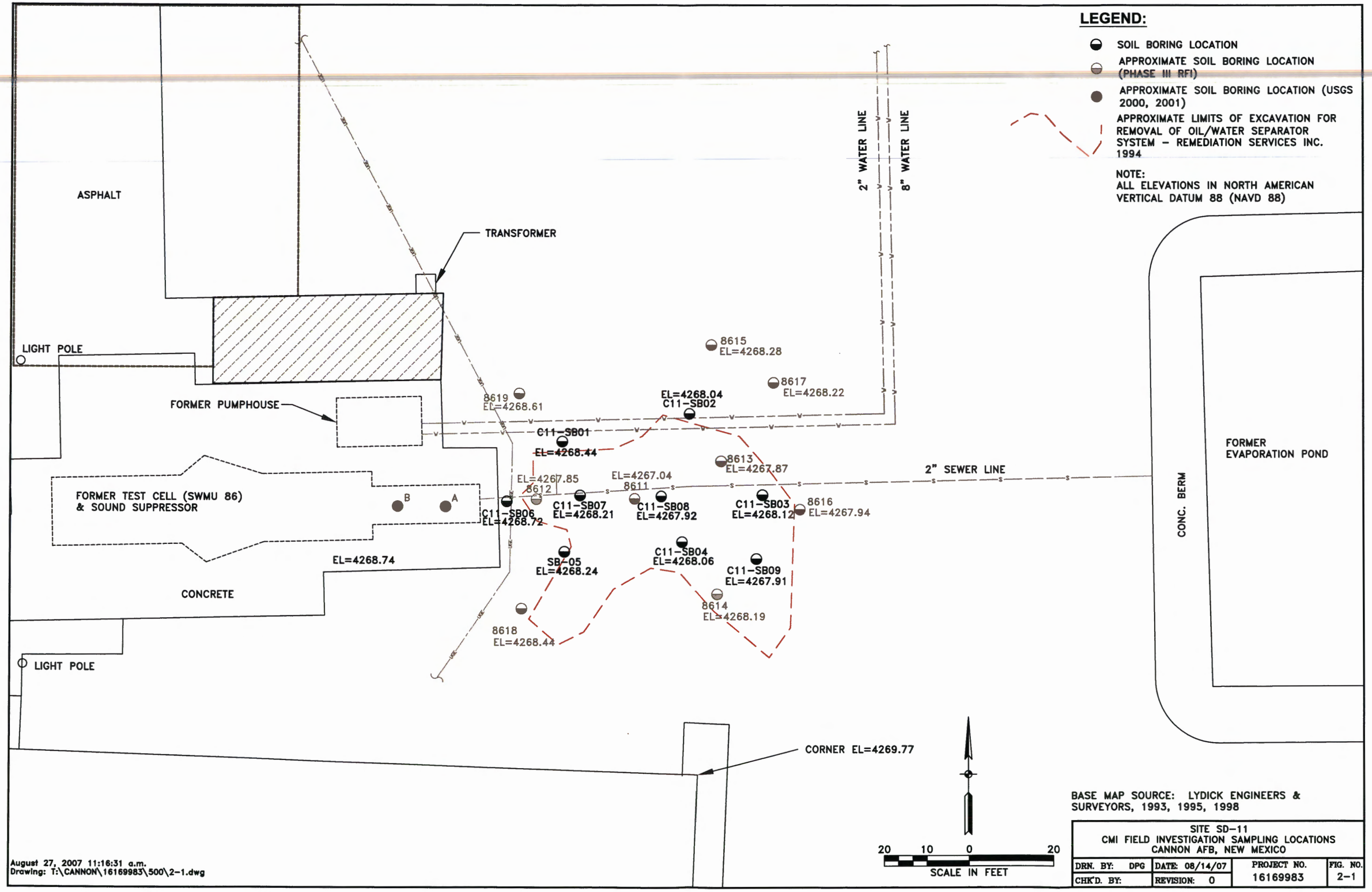
TABLE 2-4
CMI INVESTIGATION ANALYTICAL RESULTS FOR FIELD DUPLICATES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID	C11-SB07-018				C11-SB07-218					C11-SB08-017				C11-SB08-217				
DATE COLLECTED	May 16, 2007				May 16, 2007					May 16, 2007				May 16, 2007				
	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD
Benzo(b)fluoranthene	<	60	380	U	<	60	380	U		<	60	380	U	<	60	380	U	
Benzo(g,h,i)perylene	<	55.2	380	U	<	55.2	380	U		<	55.2	380	U	<	55.2	380	U	
Benzo(k)fluoranthene	<	61	380	U	<	61	380	U		<	61	380	U	<	61	380	U	
Biphenyl (diphenyl)	<	90	380	U	<	90	380	U		300	90	380	F	180	90	380	F	
bis(2-Chloroethoxy)methane	<	49.9	380	U	<	49.9	380	U		<	49.9	380	U	<	49.9	380	U	
bis(2-Chloroethyl)ether	<	50	380	U	<	50	380	U		<	50	380	U	<	50	380	U	
bis(2-Ethylhexyl)phthalate	<	61.6	380	U	<	61.6	380	U		<	61.6	380	U	<	61.6	380	U	
Butylbenzylphthalate	<	55.5	380	U	<	55.5	380	U		<	55.5	380	U	<	55.5	380	U	
Caprolactam	<	90	380	U	<	90	380	U		3600	90	380	J	2000	90	380	J	57
Carbazole	<	81.6	380	U	<	81.6	380	U		<	81.6	380	U	<	81.6	380	U	
Chrysene	<	60.6	380	U	<	60.6	380	U		<	60.6	380	U	<	60.6	380	U	
Dibenz(a,h)anthracene	<	59.4	380	U	<	59.4	380	U		<	59.4	380	U	<	59.4	380	U	
Dibenzofuran	<	57.3	380	U	<	57.3	380	U		<	57.3	380	U	<	57.3	380	U	
Diethylphthalate	<	62.1	380	U	<	62.1	380	U		<	62.1	380	U	<	62.1	380	U	
Dimethylphthalate	<	63.3	380	U	<	63.3	380	U		<	63.3	380	U	<	63.3	380	U	
Di-n-butylphthalate	<	65.9	380	U	<	65.9	380	U		<	65.9	380	U	<	65.9	380	U	
Di-n-octylphthalate	<	58.4	380	U	<	58.4	380	U		<	58.4	380	U	<	58.4	380	U	
Fluoranthene	<	65.4	380	U	<	65.4	380	U		<	65.4	380	U	<	65.4	380	U	
Fluorene	<	61.3	380	U	<	61.3	380	U		<	61.3	380	U	<	61.3	380	U	
Hexachlorobenzene	<	60.3	380	U	<	60.3	380	U		<	60.3	380	U	<	60.3	380	U	
Hexachlorobutadiene	<	51.7	380	U	<	51.7	380	U		<	51.7	380	U	<	51.7	380	U	
Hexachlorocyclopentadiene	<	44	380	U	<	44	380	U		<	44	380	U	<	44	380	U	
Hexachloroethane	<	49.9	380	U	<	49.9	380	U		<	49.9	380	U	<	49.9	380	U	
Indeno(1,2,3-cd)pyrene	<	60.4	380	U	<	60.4	380	U		<	60.4	380	U	<	60.4	380	U	
Isophorone	<	57	380	U	<	57	380	U		<	57	380	U	<	57	380	U	
Naphthalene	<	50.5	380	U	<	50.5	380	U		220	50.5	380	F	100	50.5	380	F	
Nitrobenzene	<	49.8	380	U	<	49.8	380	U		<	49.8	380	U	<	49.8	380	U	
N-Nitroso-di-n-propylamine	<	54.9	380	U	<	54.9	380	U		<	54.9	380	U	<	54.9	380	U	
N-Nitrosodiphenylamine	<	50.6	380	U	<	50.6	380	U		<	50.6	380	U	<	50.6	380	U	
Pentachlorophenol	<	58.7	760	U	<	58.7	760	U		<	58.7	760	U	<	58.7	750	U	
Phenanthrene	<	58.2	380	U	<	58.2	380	U		<	58.2	380	U	<	58.2	380	U	
Phenol	<	43	380	U	<	43	380	U		<	43	380	U	<	43	380	U	

TABLE 2-4
CMI INVESTIGATION ANALYTICAL RESULTS FOR FIELD DUPLICATES COLLECTED AT SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID	C11-SB07-018				C11-SB07-218					C11-SB08-017				C11-SB08-217				
DATE COLLECTED	May 16, 2007				May 16, 2007					May 16, 2007				May 16, 2007				
	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD	Result	MDL	RL	Qual	Result	MDL	RL	Qual	RPD
Pyrene	<	54.1	380	U	<	54.1	380	U		<	54.1	380	U	<	54.1	380	U	
PETROLEUM HYDROCARBONS (mg/kg)																		
Diesel Hydrocarbons	<	1	11	U	<	1	11	U		170	5	110		180	1	110		
Gasoline Hydrocarbons	<	0.3	1	U	<	0.3	1	U		150	0.3	11	J	90	0.3	11	J	
METALS (mg/kg)																		
Aluminum	7460	20	69		9840	20	69			5330	80	275		6840	80	273		
Antimony	<	0.21	0.8	U	<	0.21	0.8	U		<	0.21	0.8	U	<	0.21	0.83	U	
Arsenic	2.8	0.17	0.7		3	0.17	0.7			2.4	0.17	0.7		2.5	0.17	0.7		
Barium	70.7	0.05	0.6		107	0.94	0.6			374	0.94	11		325	0.94	11		
Beryllium	0.82	0.04	0.2		1	0.04	0.2			0.39	0.04	0.2		0.39	0.04	0.2		
Cadmium	<	0.03	0.6	U	<	0.03	0.6	U		0.046	0.03	0.6	F	<	0.03	0.6	U	
Calcium	23100	4.1	57		31100	4	57			109000	16	229		116000	16	227		
Chromium	6.5	0.03	0.6		8.2	0.03	0.6			5	0.03	0.6		5.5	0.03	0.6		
Cobalt	3.1	0.05	0.6		3.8	0.05	0.6			1.9	0.05	0.6		2	0.05	0.6		
Copper	3.9	0.09	0.6		4.8	0.09	0.6			2.5	0.09	0.6		2.6	0.09	0.6		
Iron	7310	8.2	29		9120	8.2	29			5840	33	114		6650	33	114		
Lead	8	0.09	6		8.7	0.09	6			3.4	0.09	6	F	3.2	0.09	6	F	
Magnesium	3700	2.41	9		4760	2.41	9			3880	2.41	9		4050	2.41	9		
Manganese	107	0.13	0.6		131	0.13	0.6			59	0.13	0.6		59.5	0.13	0.6		
Mercury	<	0.01	0.1	U	<	0.01	0.1	U		<	0.01	0.1	U	<	0.01	0.1	U	
Nickel	7.1	0.07	0.6		8.8	0.07	0.6			5.7	0.07	0.6		6	0.07	0.6		
Potassium	1990	13.88	115		2580	13.88	115			1780	13.88	114		2010	13.88	114		
Selenium	0.28	0.24	0.9	F	<	0.24	0.9	U		<	0.24	0.9	U	<	0.24	0.9	U	
Silver	<	0.04	0.2	U	<	0.04	0.2	U		<	0.04	0.2	U	<	0.04	0.2	U	
Sodium	51.7	7.36	115	F	59.6	7.36	115	F		<	7.36	114	U	<	7.36	114	U	
Thallium	1	0.21	2	F	1.4	0.21	2	F		0.47	0.21	2	F	0.58	0.21	2	F	
Vanadium	17.7	0.06	0.6		21.1	0.06	0.6			13.3	0.06	0.6		13.5	0.06	0.6		
Zinc	13.1	1.15	6		16.3	1.15	6			9.4	1.15	6		9	1.15	6		

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
MDL = Method Detection Limit
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
J = Estimated
U = Nondetect
UJ = Estimated Nondetect
F = Result between MDL and RL


LEGEND:
SOIL BORING LOCATION
APPROXIMATE SOIL BORING LOCATION (PHASE III RFI)
APPROXIMATE SOIL BORING LOCATION (USGS 2000, 2001)
APPROXIMATE LIMITS OF EXCAVATION FOR REMOVAL OF OIL/WATER SEPARATOR SYSTEM – REMEDIATION SERVICES INC. 1994
NOTE:
ALL ELEVATIONS IN NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88)
ASPHALT
TRANSFORMER
2" WATER LINE
8" WATER LINE
LIGHT POLE
FORMER PUMPHOUSE
8615
EL=4268.28
8617
EL=4268.22
8619
EL=4268.61
EL=4268.04
C11-SB02
C11-SB01
EL=4268.44
8613
EL=4267.87
2" SEWER LINE
EL=4267.85
8612
EL=4267.04
8611
FORMER TEST CELL (SWMU 86)
& SOUND SUPPRESSOR
B
A
C11-SB06
EL=4268.72
C11-SB07
EL=4268.21
C11-SB08
EL=4267.92
C11-SB03
EL=4268.12
8616
EL=4267.94
FORMER
EVAPORATION POND
CONC. BERM
EL=4268.74
SB-05
EL=4268.24
C11-SB04
EL=4268.06
C11-SB09
EL=4267.91
CONCRETE
8614
EL=4268.19
8618
EL=4268.44
LIGHT POLE
CORNER EL=4269.77
20 10 0 20
SCALE IN FEET
BASE MAP SOURCE: LYDICK ENGINEERS & SURVEYORS, 1993, 1995, 1998
SITE SD-11
CMI FIELD INVESTIGATION SAMPLING LOCATIONS
CANNON AFB, NEW MEXICO
DRN. BY: DPG
DATE: 08/14/07
PROJECT NO. 16169983
FIG. NO. 2-1
CHK'D. BY:
REVISION: 0
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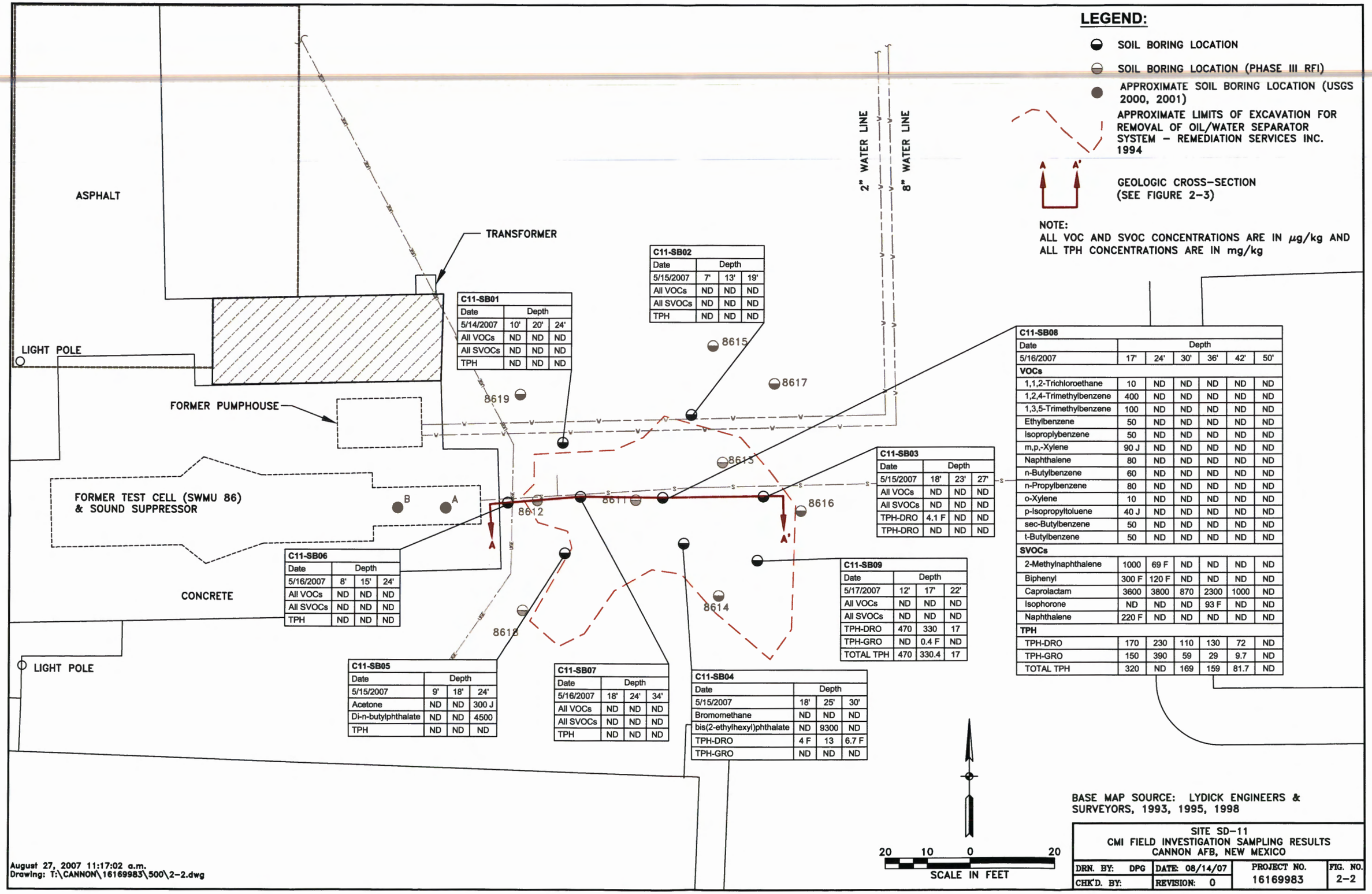


C11-SB01			
Date	Depth		
5/14/2007	10'	20'	24'
All VOCs	ND	ND	ND
All SVOCs	ND	ND	ND
TPH	ND	ND	ND

C11-SB02			
Date	Depth		
5/15/2007	7'	13'	19'
All VOCs	ND	ND	ND
All SVOCs	ND	ND	ND
TPH	ND	ND	ND

C11-SB03			
Date	Depth		
5/15/2007	18'	23'	27'
All VOCs	ND	ND	ND
All SVOCs	ND	ND	ND
TPH-DRO	4.1 F	ND	ND
TPH-DRO	ND	ND	ND

C11-SB04			
Date	Depth		
5/15/2007	18'	25'	30'
Bromomethane	ND	ND	ND
bis(2-ethylhexyl)phthalate	ND	9300	ND
TPH-DRO	4 F	13	6.7 F
TPH-GRO	ND	ND	ND

C11-SB05			
Date	Depth		
5/15/2007	9'	18'	24'
Acetone	ND	ND	300 J
Di-n-butylphthalate	ND	ND	4500
TPH	ND	ND	ND

C11-SB06			
Date	Depth		
5/16/2007	8'	15'	24'
All VOCs	ND	ND	ND
All SVOCs	ND	ND	ND
TPH	ND	ND	ND

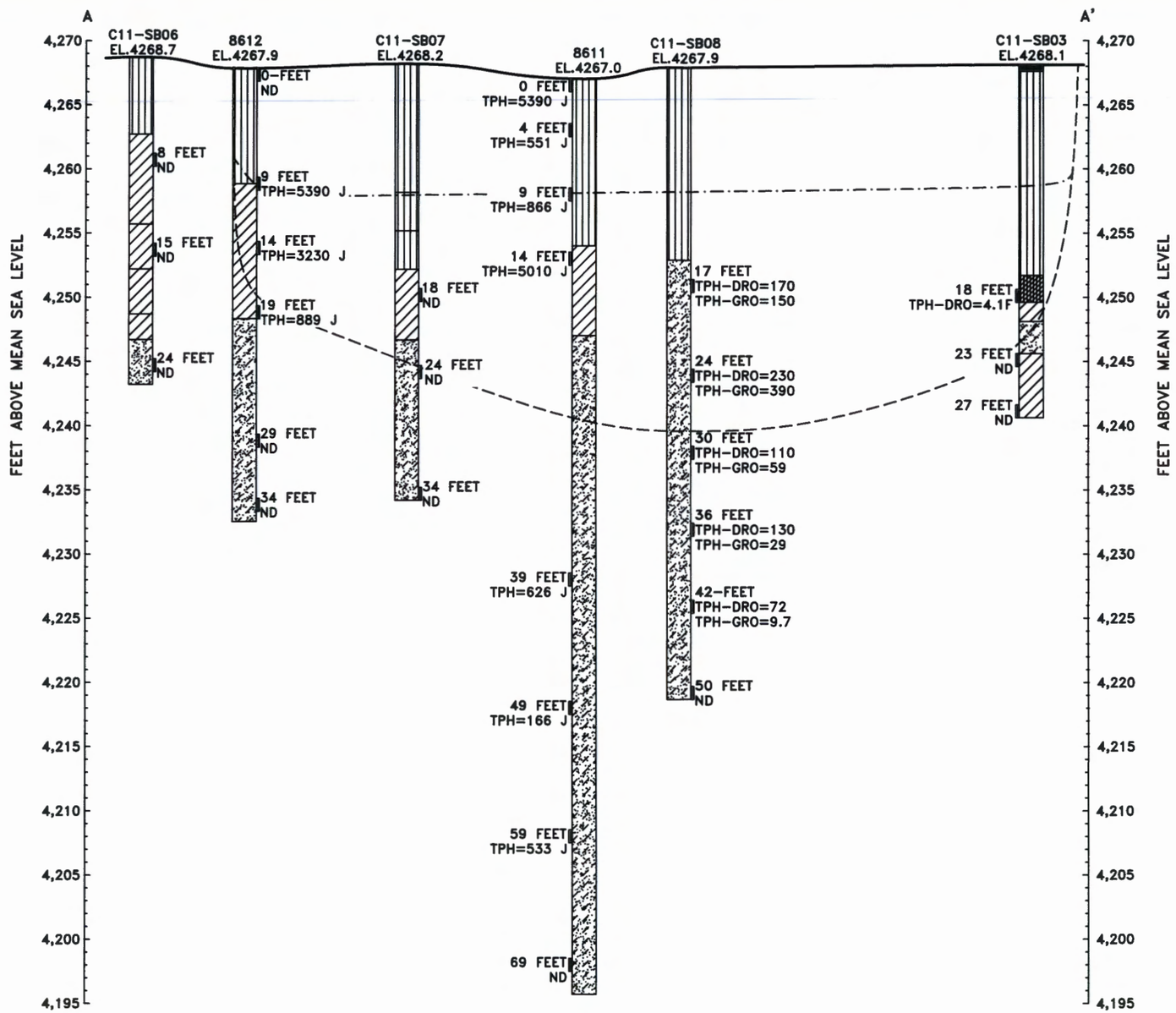
C11-SB07			
Date	Depth		
5/16/2007	18'	24'	34'
All VOCs	ND	ND	ND
All SVOCs	ND	ND	ND
TPH	ND	ND	ND

C11-SB08						
Date	Depth					
5/16/2007	17'	24'	30'	36'	42'	50'
VOCs						
1,1,2-Trichloroethane	10	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	400	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	100	ND	ND	ND	ND	ND
Ethylbenzene	50	ND	ND	ND	ND	ND
Isoproplybenzene	50	ND	ND	ND	ND	ND
m,p,-Xylene	90 J	ND	ND	ND	ND	ND
Naphthalene	80	ND	ND	ND	ND	ND
n-Butylbenzene	60	ND	ND	ND	ND	ND
n-Propylbenzene	80	ND	ND	ND	ND	ND
o-Xylene	10	ND	ND	ND	ND	ND
p-Isopropyltoluene	40 J	ND	ND	ND	ND	ND
sec-Butylbenzene	50	ND	ND	ND	ND	ND
t-Butylbenzene	50	ND	ND	ND	ND	ND
SVOCs						
2-Methylnaphthalene	1000	69 F	ND	ND	ND	ND
Biphenyl	300 F	120 F	ND	ND	ND	ND
Caprolactam	3600	3800	870	2300	1000	ND
Isophorone	ND	ND	ND	93 F	ND	ND
Naphthalene	220 F	ND	ND	ND	ND	ND
TPH						
TPH-DRO	170	230	110	130	72	ND
TPH-GRO	150	390	59	29	9.7	ND
TOTAL TPH	320	ND	169	159	81.7	ND

C11-SB09			
Date	Depth		
5/17/2007	12'	17'	22'
All VOCs	ND	ND	ND
All SVOCs	ND	ND	ND
TPH-DRO	470	330	17
TPH-GRO	ND	0.4 F	ND
TOTAL TPH	470	330.4	17

SITE SD-11
CMI FIELD INVESTIGATION SAMPLING RESULTS
CANNON AFB, NEW MEXICO

DRN. BY: DPG	DATE: 08/14/07	PROJECT NO.	FIG. NO.
CHK'D. BY:	REVISION: 0	16169983	2-2



LEGEND:

- ASPHALT
- SILTY CLAY (CL)
- SILT (ML)
- SILTY SAND (SM)
- SILTY CLAY TO CLAYEY SILT (CL-ML)
- APPROXIMATE GROUND SURFACE (PRIOR TO EXCAVATION)
- APPROXIMATE LIMITS OF CMI OVERBURDEN REMOVAL
- APPROXIMATE LIMITS OF CMI REMOVAL ACTION EXCAVATION
- TPH=166J — SOIL SAMPLE INTERVAL SELECTED FOR TPH ANALYSIS AND ASSOCIATED TPH CONCENTRATION

ND= NON DETECT
F= RESULT IS BETWEEN MDL AND RL
J= ESTIMATED
MDL= METHOD DETECTION LIMIT
RL= REPORTING LIMIT

10 5 0 10
VERTICAL IN FEET

100 50 0 100
HORIZONTAL IN FEET

TPH CONCENTRATIONS ALONG GEOLOGIC CROSS-SECTION A-A'
CANNON AIR FORCE BASE, NEW MEXICO

DRN. BY: DPG	DATE: 08/20/07	PROJECT NO.	FIG. NO.
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This section describes the work completed during the CMI Removal Action for Site SD-11 completed by URS at Cannon AFB. Excavation, waste transportation and disposal, backfill, and site restoration activities were completed in accordance with the Site SD-11 Corrective Measures Implementation Work Plan – Revision 1 (URS 2006).

3.1 SITE WORK OVERVIEW

During the period from May 21 through 25, 2007, URS removed petroleum hydrocarbon-impacted soils from the former excavation area at Site SD-11. The goal of the removal action was to excavate TPH-impacted soil that was above NMED's TPH Screening Guideline of 940 mg/kg. During excavation activities, TPH-impacted soil was removed from the former excavation area, which included the area that contained the oil/water separator for the former engine test cell (SWMU 86). The excavation was completed in accordance with the Site SD-11 CMI work plan – Revision 1 (URS 2006). TPH-impacted soil was temporarily stockpiled in the excavation zone and was later disposed of at landfarm DP69 that accepts TPH-impacted soil, eight miles outside Hobbs, New Mexico. Upon completing the excavation, samples from the field investigation were used as confirmatory samples and the sample results were verified that excavation criteria were met. The excavated area was then backfilled, soil compaction tests were completed and the area was surveyed.

Excavation and backfill activities were conducted by Diamondback Disposal Services Inc. (Diamondback) with oversight by URS. All health and safety air monitoring and environmental sampling activities were completed by URS. Transportation and disposal activities were provided by independent trucking companies subcontracted by Diamondback. Additionally, the Cannon AFB ERP Manager or her representative provided daily oversight, certification of the excavated material and signed all trucking manifests. All excavation activities were thoroughly documented through daily quality control reports (DQCR), daily heavy equipment safety inspection checklist, daily safety task analyses checklist, and daily excavation/trench inspection report. The following sections provide a detailed description of the work performed during the TPH-impacted soil removal action.

3.2 PRE-CONSTRUCTION MEETINGS

On May 21, 2007, a kick-off and initial safety meeting was held at Site SD-11. All field personnel (URS and Diamondback), attended the meeting. During this meeting, the elements of work for the TPH-impacted soil removal action were explained, and the items on the URS Safety Compliance Agreement Form were covered. In addition, 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) certifications were verified for all personnel before work commenced. Although, Diamondback employees had received the 40-hour training, documentation was not available at the kick-off meeting. The URS Site Health and Safety Officer (SHSO) verified that Diamondback employees were 40-hour HAZWOPER trained and proof of certification was being processed before any work at Site SD-11 was started. Health and Safety documents completed during the excavation are provided in **Appendix E**.

3.3 MOBILIZATION ACTIVITIES

The site preparation activities completed prior to beginning excavation activities included defining and establishing the excavation zone (EZ), contaminant reduction zone (CRZ), decontamination area, and the construction work area as well as support zone (SZ), establishing and surveying planned excavation limits; clearing for utilities; and mobilizing the contractor's equipment, personnel, and supplies. Each of these activities is described in further detail below.

3.3.1 Construction Work Area

The construction work area included the excavation area at Site SD-11, the soil stockpile/loading areas (north of and at the end of the Site SD-11), haul routes, the equipment storage areas, work zones, support area, and borrow stockpile area. Prior to the start of excavation activities, the construction work area was fully delineated and heavy equipment was not allowed to operate outside of this area. The construction work area for the TPH-impacted removal action at Site SD-11 is shown on **Figure 3-1.**

3.3.2 Establishment of Work Zones

Site work zones were established to prevent or minimize exposure hazards associated with TPH-impacted soil and to minimize the migration of contaminants from contaminated areas. Work zones were developed in accordance with the Site SD-11 CMI Work Plan – Revision 1 (URS 2006) (i.e., EZ, CRZ, and SZ). These zones were identified during daily safety briefings and are shown on **Figure 3-1**.

An intrusive EZ was established and maintained around the excavation during the removal action and backfill operations. No personnel were allowed to enter the excavation within the intrusive EZ unless they were in heavy equipment and the excavation walls met the OSHA vertical slope standards. Those personnel who entered the intrusive EZ in heavy equipment were required to don Level D personal protective equipment (PPE) (i.e, hard hat, safety glasses, hearing protection and steel toed boots). The EZ was identified during the daily safety briefings and was marked with orange construction fence supported by wooden stakes.

A non-intrusive EZ was also established around work areas for protection from potentially hazardous contaminants and physical hazards (heavy equipment operations and stockpiled soil). Personnel entering the non-intrusive EZs were required to don Level D PPE for protection from chemical and physical hazards. Although the non-intrusive EZ was not marked, the location was discussed at daily safety briefings and visitors without proper PPE or 40-hour HAZWOPER training were not allowed in the non-intrusive EZ.

A CRZ was located adjacent to the non-intrusive EZ and included the decontamination area for decontaminating heavy equipment and dump trucks. The CRZ also included the asphalt road surrounding Site SD-11. Dry contamination procedures were followed as described in the Site SD-11 CMI WP. Within the decontamination area, the transportation vehicles (dump trucks)

were loaded with the excavated soil and decontaminated, as necessary. Due to dry conditions during the excavation activities, few trucks required dry decontamination.

An SZ was located adjacent to the CRZ. Within the SZ, the transportation trucks were visually inspected for contamination and manifested, before they were allowed to leave the site. During the backfill activities some backfill material occasionally fell from the transportation vehicles onto the asphalt road and parking lot within the SZ after the backfill material had been dumped onsite. This dropped backfill material was immediately cleaned up with a stiff-bristled push broom and shovel.

3.3.3 Site Controls and Access

Although Cannon AFB is a secure facility, Site SD-11 does not have a fenced perimeter. During daily work activities, additional site controls and security measures were followed, including:

- Orange construction fencing was placed around the excavation and secured with wooden stakes at Site SD-11.
- Stockpiled TPH-impacted soil was covered with plastic sheeting and secured at the end of each work day to protect against dispersion to wind.
- Equipment was parked at the east end of the excavation each night, and the keys were removed.

3.3.4 Establishment of Excavation Limits and Topographic Surveying

Prior to the start of excavation activities, URS completed soil borings at locations determined using previous sampling results and survey data from borings previously completed at the site SD-11. Based on the TPH analytical data from samples from these borings, the soil borings locations completed at Site SD-11 served as the excavation limits for the removal of the TPH-impacted soil. The excavation limits are shown on **Figure 3-2**.

The soil borings used to establish the excavation limits were surveyed. Upon completion of the excavation activities, the excavation was backfilled and the finished grade was topographically surveyed. Lydick Engineering and Surveyors of Clovis, New Mexico, completed the surveying activities. Final excavation limits which included the benching of the excavation are shown in **Figure 3-2**. In addition, pictures of the finished grade and final excavation survey points marked with wooden stakes are shown in the photographic log in **Appendix N.**

3.3.5 Utility Clearances

Utility locates were performed at Site SD-11 prior to the start of intrusive activities. The underground utilities at Site SD-11 include an electrical line located approximately four feet east of the concrete pad that served as the base former engine test cell, and a ten-inch water line located on the north side of the excavation. The location of the electrical and water lines were clearly marked with paint and flagging. The utility locates were completed by 27th Fighter Wing, Civil Engineering Squadron (27 CES) personnel. There are no overhead utilities at Site SD-11.

3.3.6 Mobilization of Manpower and Heavy Equipment

URS and the excavation subcontractor (Diamondback) initially mobilized to the site on May 21, 2007. A Quality Assurance officer was provided by URS (Mr. Tony Sedlacek) to ensure that all excavation activities were being conducted in accordance with the Site SD-11 CMI WP (URS 2006) and all documentation was completed correctly. In addition, Mr. Sedlacek acted as the Site Health and Safety Officer.

An excavation-competent person was provided by URS (Mr. Skip Wrightson) to inspect the excavations for proper safe sloping and/or benching requirements. The excavation-competent person met the requirements outlined in the URS Safety Management Standard (SMS) No. 18. In addition, Mr. Wrightson acted as the Site Supervisor.

Two pieces of heavy equipment were mobilized to the site included:

- A Caterpillar track hoe with model number 325D and equipment ID 2JR02055 on May 21, 2007
- A John Deere front-end loader with model number 644H and equipment ID DW644HX584862 on May 21, 2007

Heavy equipment used during excavation and backfill activities was provided by Diamondback. To minimize the potential for exposure to contaminated media, all excavation heavy equipment had enclosed cabs. Daily heavy equipment safety inspection checklists were completed each day before excavation activities began and are provided in **Appendix G**. The equipment operator signed the checklist and any items that did not pass that the inspection were fixed before the equipment was allowed to be used. During the initial inspection of the caterpillar track hoe the backup alarm was not working. Diamondback fixed the alarm before excavation activities were allowed to start.

3.4 EXCAVATION ACTIVITIES

This section describes the field activities associated with the excavation, handling, and segregation of soil, and debris from Site SD-11. These excavation activities were performed in accordance with the Site SD-11 CMI Work Plan – Revision 1 (URS 2006). This section also provides a detailed description of how Site SD-11 was excavated and what was encountered during excavation activities. Diamondback completed the excavation, handling, and segregation activities, with oversight by URS.

3.4.1 Excavation Area Controls

Controls put in place around the SD-11 excavation area during and after daily intrusive operations included the following:

- An Intrusive EZ was delineated around the excavation area during active intrusive operations and a non-intrusive EZ was established around the stockpiles and heavy equipment as

described in **Section 3.3.2**. Orange construction safety fencing supported by wooden stakes was placed around the excavation limits to restrict access.

- The excavation was completely enclosed with the construction fencing and the heavy equipment parked at the east end of the excavation with the keys removed at the end of each workday.
- TPH-impacted soil stockpiles were covered with plastic sheeting to reduce wind dispersion and migration potential at the end of each workday.

3.4.2 General Excavation and Material Handling Procedures

The excavation activities were completed in a manner to minimize the number of times the excavated soil was handled. However, since the TPH-impacted soil was transported to a land treatment facility outside Hobbs New Mexico, it was more efficient to temporary stockpile the excavated soil until a sufficient volume accumulated to warrant off-site transport. During excavation activities, the first ten feet of soil (overburden) was removed and segregated into a clean fill stockpile to be used as backfill material. Analytical results from the soil borings were used to segregate the excavated soil. Clean excavated soil from the west end of the excavation was added to the clean fill pile and used as backfill. Visible inspection and a PID were also used to help segregate the soil. If, during the visual inspection process, heavy staining, strong petroleum-based odors or elevated PID readings were encountered, the soil was added to the TPH-impacted soil stockpile. In addition, the clean fill stockpile and TPH-impacted stockpile were adequately spaced to ensure that cross contamination did not occur. The TPH-impacted stockpile was also positioned downwind from the clean fill stockpile to help eliminate the potential for cross contamination. All TPH-impacted soil was loaded and transported in 20-cubic-yard capacity belly-dump, dump trucks. All transport trucks were equipped with roll bar liners to cover the loads per United States Department of Transportation (DOT) regulation. Trucks were not allowed to leave Site SD-11 without an inspection, proper paperwork (i.e., manifests), and their loads covered. Copies of the trucking manifests are provided in **Appendix I.**

Once the excavation depth, as determined based on soil boring analytical results, and no elevated PID readings, visible staining, or strong odor was encountered, it indicated the excavation criteria were met (see **Section 1.3.3**), and the excavation was considered ready for backfill (see **Section 3.7**).

The depth of the excavation required entrance by heavy equipment and was greater than 4 feet in depth; therefore, the excavation was sloped and benched in accordance with 29 Code of Federal Regulations (CFR) 1926 Subpart P, Appendix B (Sloping and Benching) and the URS SMS No. 13 (Excavation Safety). In general, the soils encountered at Site SD-11 were Type A or B soils. The excavation slopes were cut according to the type of soils encountered (Type A – 1:3/4 [53°] or Type B – 1:1 [45°]). An excavation-competent person was on-site at all times to determine the correct soil classification (Type A or B) and to ensure that the excavations were properly benched and sloped in accordance with the above regulations. The excavation-competent person also completed daily inspections of the excavations. The excavation

inspections were documented using the Daily Excavation/Trenching Inspection Report (see **Appendix H**). Groundwater was never encountered during excavation operations at Site SD-11.

3.4.3 Excavation Description

Site SD-11 excavation activities began on May 21, 2007 and were completed on May 25, 2007. Excavation of the material began on the west end of the planned excavation limits (**Figure 3-2**), and proceeded to the east. The excavation began ten feet east of the former test engine cell concrete pad due to the presence of an electrical utility approximately 5 feet east of the concrete pad. However, boring C11-SB06 was completed against the east end of the concrete pad and all analytes were nondetect with the exception of metals.

The first step of the excavation entailed removing the approximately ten feet of overburden soil from the excavation area. The overburden was removed from west to east and stockpiled in an area northwest of the excavation. As overburden was being excavated west of soil boring C11-SB03 a 1-inch PVC water line was hit and broken. Base utilities were immediately contacted about the broken water line. The water line had not been marked as part of the utility locate and was not represented on any of the base maps for the Site SD-11. A Cannon AFB base utility plumber arrived and determined that the line was located approximately 2 to 3 feet below the surface and was a new line that was recently put in to facilitate a building at the end of the flight line. The line was initially cut and capped to stop the flow of water. The line was then traced back to the ten inch water line that facilitated the fire sprinklers for the operational engine test cell west of Site SD-11. The water supply for ten inch water line was shut off and the water line was disconnected and removed. A collar was placed over the water line connection and the water was turned back on. The locations of the water line source from the ten inch water line and where the line met on the southeast portion of the excavation were marked to enable base utility to fix the line after the excavation activities were completed. The wet soil was added to TPH-impacted soil stockpile for transport off-site to the DP619 landfarm.

Once the overburden was removed, the excavation of TPH-impacted soil commenced at the west end to the excavation. Excavation depths were based on analytical results from the CMI field investigation, visible inspections for staining, observations of soil odors, and PID readings. Soil was excavated to 17 feet beyond the first 10 feet of the excavation. The soil had no visible petroleum staining, no odor, PID readings of zero and sample results from borings were all below screening levels. A portion of this soil was added to the clean stockpile to be used as backfill, based on the sample results and no evidence of TPH contamination.

As the excavation progressed to the east from the start of the excavation, the excavation depth gradually increased from 17 to 29.5 feet. The increase in depth was based on CMI sample results, PID readings, visible layers of staining and encountered strong petroleum based odors. The heavy staining observed was consistent with the elevated TPH levels, depth and location of the former oil/water separator as the excavation progressed east and downward to a maximum depth of 29.5 feet. Soil boring locations C11-SB07 and C11-SB08 were completed near the former location of the oil/water separator. The area in and around the location of soil boring C11-SB08 had heavy black staining and a strong petroleum odor down to a depths of 12 to 15

feet; this area was excavated to a depth of 29.5 feet. An area north of soil boring C11-SB08 had greenish staining with a strong odor similar to kerosene to a depth of 15 to 25 feet was also excavated to a depth of 29.5 feet. The colors of staining observed appeared to depend on soil type, for example clay showed black staining and caliche material showed greenish staining.

In order to excavate to a depth of 29.5 feet, the excavation had to be entered by the excavation equipment. In these areas, the sides of the excavation were benched to a depth of 4 feet and a width of 5 feet. In addition, the excavation was sloped in accordance 29 CFR 1926 Subpart P, Appendix B (Sloping and Benching) and URS SMS No. 13 (Excavation Safety) as previously described in **Section 3.4.2**. Outward from the deepest area, the excavation progressed depths of 20 feet in the areas of soil borings C11-SB03 and C11- SB09. Soil boring C11-SB09 was an extra boring completed due to elevated PID readings in boring C11-SB08 which in turn coincided with the sample results. Boring C11-SB09 had elevated TPH-DRO levels at 12 and 17 feet. A comparison of Site SD-11 maximum soil concentrations after the CMI removal action to NMED screening levels is shown in **Table 3-1.**

3.4.4 Stockpile/Loading Area

Excavated soil was stockpiled along the northeast side of the excavation before being loaded into transportation vehicles. Additionally, a non-intrusive EZ was established around each stockpile for safety.

Material was brought to the stockpile/loading areas until sufficient soil was available for loading transportation vehicles. Once sufficient soil had been stockpiled, the transportation vehicles were loaded using a front-end loader. Transportation vehicles were loaded in the non-intrusive EZ to minimize the access of personnel and limit the amount of times the TPH-impacted soil was handled. Transportation vehicles were then inspected and, if necessary, decontaminated prior to departure from the site.

3.4.5 Dust Control

Dust control measures were implemented during excavation, handling, segregation, loading, and transportation activities at Site SD-11. Dust control was accomplished by covering stockpiles with 10-mil polyethylene sheeting to eliminate the potential for dust emissions and wind dispersion. Stockpiles were covered at the completion of the stockpiling activities or at the end of each work day. In addition, all loads into and out of Site SD-11 were covered in accordance with DOT regulations. No visible airborne dust was observed, so no further dust controls were necessary

3.4.6 Heavy Equipment Decontamination

All heavy equipment underwent dry decontamination procedures (broom and scraping device to remove visible contamination), as necessary. Decontamination areas were designated within the CRZ. Material removed as part of decontamination procedures were collected and added to the

excavated TPH-impacted stockpile awaiting disposal. Decontamination areas are shown on **Figure 3-1**.

Additionally, transportation vehicle traffic used as much as possible, existing asphalt roads located at Site SD-11. This helped to limit the amount of transportation vehicle decontamination required. All transportation vehicles after loading were visually inspected, and decontamination procedures were implemented as needed. Due to the dry weather conditions during the excavation activities, only dry decontamination procedures were required.

3.5 EXCAVATION CONFIRMATORY SOIL SAMPLING AND ANALYSIS

In accordance with the CMI Work Plan – Revision 1 (URS 2006) the CMI investigation results were used to delineate the extent of the excavation and served as the confirmatory sampling results for the excavation. All excavation activities did not progress outside the excavation limits defined by the CMI investigative soil borings. Therefore, additional confirmatory sampling was not completed.

3.6 TPH-IMPACTED SOIL TRANSPORTATION, DISPOSAL, AND DOCUMENTATION

This section describes the TPH-impacted soils transportation, disposal, and documentation procedures followed during the CMI Removal Action completed at Site SD-11. Transportation and disposal activities were completed by independent trucking subcontractors hired by Diamondback in accordance with the requirements of the Site SD-11 CMI Work Plan – Revision 1 (URS 2006) as well as applicable federal, state, and local regulations.

3.6.1 Waste Characterization and Analytical Data Package

Samples collected during the CMI field investigation were used to characterize the soil. No additional characterization analyses were required by the DP619 Landfarm, where the excavated soil was taken for disposal.

3.6.2 Waste Transportation

Prior to the start of transportation activities, excavated TPH-impacted soil was segregated from non-TPH-impacted soil. The trucks were loaded with approximately 20 cubic yards of soil. Transportation vehicles (belly dump trailers) were also fitted with covers to reduce the possibility of wind dispersal of the soil during transport. An inspection of the tarp and other potential release points (i,e,. belly dump openings) was completed before each vehicle left the worksite. Vehicle decontamination procedures were implemented in accordance with the Site SD-11 CMI Work Plan – Revision 1 (URS 2006) as needed. Photos of the transportation vehicles are included in the Photographic Log in **Appendix N.**

3.6.3 Transportation Routes

Transportation routes included the asphalt road surrounding Site SD-11, the base perimeter road to the Portales Gate and the roadways between Cannon AFB and the DP619 Landfarm. Maintenance of the transportation route on Cannon AFB property was completed as needed (e.g., cleanup of any spilled backfill material). Upon the completion of the excavation and removal operations at Site SD-11, URS swept up any visible backfill material on the asphalt road and placed it any low areas were soil was stockpiled.

No accidents, releases, or spills occurred inside or outside Cannon AFB facility during transport and disposal operations.

3.6.4 Waste Disposal

Waste was transported to, and disposed of at, DP619 Landfarm. Each load of waste was accompanied by the appropriate documentation (see **Section 3.6.5** and **3.7.2**), in accordance with the requirements of the Site SD-11 CMI Work Plan – Revision 1 (URS 2006); and federal, state, and local regulations.

Upon arrival at DP619 Landfarm, transport vehicle drivers checked in with the attendant, provided the attendant the proper documentation, and were then directed to the appropriate disposal area at the landfarm. Once the load was disposed of at the landfill, the truck was either refilled with backfill material or remained empty, the tarp was placed back over the bed, and the transportation vehicle mobilized back to the site.

3.6.5 Waste Shipment Records

A Waste Shipment Record was prepared and accompanied each load of waste transported to the DP619 Landfarm. The purpose of the Waste Shipment Record was to manifest the waste and to certify that the proper transportation procedures were followed. The Waste Shipment Records were signed by the Cannon AFB ERP Manager (Ms. Kristi Doll) and the transportation vehicle driver. Each Waste Shipment Record was proved to the attendant at the DP619 Landfarm and was signed by the person at the landfill responsible for certifying the receipt and proper disposal of waste at the landfarm. Copies of the Waste Shipment Record forms are provided in **Appendix I**.

3.7 BACKFILL AND SITE RESTORATION

As the excavation was completed, based on analytical results from the CMI field investigation, the resultant voids were backfilled, compacted, graded, and contoured to match pre-existing conditions, and surveyed as described below.

3.7.1 Backfill Equipment

Excavation backfilling and compaction activities were completed using the heavy equipment described in **Section 3.3.6**. Heavy equipment and personnel used to perform backfill and site restoration activities were provided by Diamondback Disposal Services Inc. URS provided full-time oversight and monitoring of backfill and site restoration activities.

3.7.2 Borrow Material

The initial backfill material used was the overburden from the top ten feet of excavation and the segregated clean soil from the excavation. An additional 500 cubic yards (cy) of previously sampled clean virgin backfill material from the DP619 Landfarm outside Hobbs New Mexico was used to bring the grade up to four feet below ground surface 80 cy of clean engineered crushed caliche backfill from Curry County was used to bring the excavation to grade. The backfill material from the landfarm was very sandy, whereas the engineered crushed caliche displayed a high level of compactability. The engineered backfill material used for the top four feet was approved before use by the Cannon ERP Manager. The backfill material bills of lading are provided in **Appendix J**. Analytes detected in the backfill material are shown in **Table 3-2** and all backfill analytical results are provided in **Appendix K**.

3.7.3 Excavation Backfill Method

Backfill material was pushed into the excavation with the John Deere front-end loader or dumped in with the Caterpillar track hoe. The landfarm backfill material was sandy and noncompactable. Therefore, this backfill material was pushed into the excavation in large lifts and was compacted with the track hoe.

3.7.4 Backfill Compaction Testing

To ensure placement of materials within the limits of the above-specified densities, Diamondback contracted Lydick Engineers and Surveyors to complete the backfill compaction tests and a sand cone test. One test was performed every two vertical feet for the final four feet of the engineered backfill material. All backfill compaction tests performed indicated that backfill placement met the minimum 80 to 85 percent modified compaction requirements. Backfill compaction test results are provided on **Table 3-3** and also in the geotechnical test results in **Appendix L**.

3.7.5 Grade and Land Survey

The final surface of Site SD-11 was graded so that it was reasonably smooth, compacted, and free from irregular surface changes. The final grades were slightly crowned in the center to provide positive drainage of surface water across the entire area. The final graded surfaces were topographically survey by Lydick Engineers and surveyors as described in **Section 3.3.4**. See **Appendix M** for the survey data and the final grade contour topographical map is shown in **Figure 3-3**.

3.7.6 Site Restoration

Prior to demobilization activities, URS and Diamondback completed a site walkover to identify heavy equipment disturbance that required corrective action and cleanup of any backfill material from trucks. Heavy equipment disturbances were repaired prior to demobilization. URS and Diamondback removed all equipment and leftover construction materials from Site SD-11 during time of demobilization, with the exception of the track hoe owned by diamondback. With permission from the Cannon ERP Manager, Diamondback left the track hoe onsite and the track hoe was demobilized on May 29, 2007.

3.8 DEMOBILIZATION

Following inspection by the Cannon AFB ERP Manager, demobilization activities were completed on May 25, 2007. Demobilization activities included the following activities:

- The 55-gallon drums and pallets were removed.
- All heavy equipment was decontaminated and removed from the site.
- All temporary orange construction fence and wooden stacks were removed.

3.9 EXCAVATION, BACKFILL, AND TRANSPORTATION QUANTITY SUMMARY

The excavation and backfill quantity summary for dates May 21 to 25, 2007 are provided in the following tables:

Backfill (cubic yards)		
Clean Backfill	Engineered Backfill	Total Cubic Yards
580	540	1120

Quantities were determined based on the sum of truck manifest and bills of lading.

The transportation vehicle summary is provided in the following table:

Number of Transport Vehicles		
Removal	Backfill	Total Transport Vehicles
41	56	97

All soil excavated from Site SD-11 was transported and disposed at the DP619 Landfarm outside Hobbs, New Mexico. At SD-11 approximately 820 cys were transported and disposed at the landfarm and approximately 1,120 cy were backfilled.

3.10 SITE CLOSURE DOCUMENTATION

The objective of the CMI for SD-11 is to ensure that the site does not pose unacceptable risk to human health or the environment. A phased approach was designed that with re-assessment of existing Site SD-11 data and additional field investigation activities followed by a removal action. Nine additional borings were completed during the CMI field investigation. All analytical results were below NMED screening levels. Even though all chemical concentrations fell below applicable SSLs, the Air Force decided to proceed with a removal action to address the petroleum hydrocarbon impacted soil that was excavated and reburied in 1994. Based on the CMI field investigation results and the completed removal action, site closure will be requested for Site SD-11. A Statement of Basis and a No Further Action Proposal and Solid Waste Amendments/Corrective Action Related Permits Modification Request will be prepared once NMED concurs that site closure is appropriate for Site SD-11 (SWMUs 86, 87, 88, 89, and 90).

TABLE 3-1
COMPARISON OF SITE SD-11 REMAINING MAXIMUM SOIL CONCENTRATIONS AFTER CMI REMOVAL ACTION
TO NMED SSLs CANNON AFB, NEW MEXICO

Chemical	Maximum Detected Concentration (mg/kg)	Qual	Background Concentration[1] (mg/kg)	Residential Soil SSL Concentration[2] (mg/kg)	Soil to Groundwater DAF = 20 [3]
TOTAL PETROLEUM HYDROCARBONS (TPH)					
Petroleum Hydrocarbons, Total (TPH) 4	8.89E+02	J		9.40E+02	
TPH - Diesel Range Organics (DRO) 4	1.70E+02			9.40E+02	
TPH - Gasoline Range Organics (GRO)	1.30E+02			N/A	
VOLATILE ORGANICS					
Acetone	3.00E-01	J		2.81E+04	1.91E+01
2-Butanone (MEK)	5.30E-01	F		3.18E+04	2.55E+01
Ethylbenzene	7.20E+00			1.28E+02	2.02E+01
Methylene Chloride	6.90E-02	F		1.82E+02	1.70E-01
Toluene	3.00E-01	F		2.52E+02	2.17E+01
Xylene (total)	2.20E+01			8.20E+01	2.06E+00
SEMIVOLATILE ORGANICS					
Dibenzofuran	1.50E-01	F		1.42E+02	2.87E+00
Isophorone	9.30E-02	F		5.12E+03	3.40E+00
2-Methylnapthalene	4.80E+00			N/A	N/A
Naphthalene	2.20E+00			7.95E+01	3.94E-01
Caprolactam	2.30E+03			N/A	N/A
Benzo(a)anthracene	2.00E-01	F		6.21E+00	1.09E+01
Benzo(a)pyrene	2.70E-01	F		6.21E-01	2.78E+00
Benzo(b)fluoranthene	4.40E-01			6.21E+00	3.35E+01
Benzo(g,h,i)perylene	1.10E-01	F		N/A	N/A
Chrysene	2.60E-01	F		6.15E+02	3.48E+02
Fluoranthene	2.10E-01	F		2.29E+03	4.69E+03
Indeno(1,2,3)pyrene	8.90E-02	F		6.21E+00	9.46E+01
Phenanthrene	5.70E-02	F		1.83E+03	4.64E+02
Pyrene	2.60E-01	F		2.29E+03	3.73E+02
METALS					
Aluminum	1.25E+04		1.22E+04	7.78E+04	1.10E+06
Antimony	1.90E+00		N/A	3.13E+01	1.32E+01
Arsenic	3.40E+00		4.30E+00	3.90E+00	2.90E-01
Barium	1.26E+03	J	8.90E+02	5.45E+03	6.03E+03
Beryllium	6.70E-01		7.30E-01	1.56E+02	1.15E+03
Calcium	2.25E+05		2.37E+05	N/A	N/A
Chromium	1.36E+01		1.33E+01	1.00E+05	1.97E+09
Cobalt	4.90E+00		4.70E+00	1.52E+03	6.61E+02
Copper	9.60E+00		8.30E+00	3.13E+03	1.03E+03
Iron	1.18E+04		1.31E+04	2.35E+04	5.54E+03
Lead	1.01E+01		8.70E+00	4.00E+02	N/A
Magnesium	1.34E+04		1.93E+04	N/A	N/A
Manganese	2.14E+02		3.33E+02	1.02E+04	2.24E+03
Nickel	1.05E+01		1.50E+01	1.56E+03	9.53E+02
Potassium	2.03E+03		2.51E+03	N/A	N/A
Sodium	2.04E+02	J	N/A	N/A	N/A
Thallium	1.60E+00	F	2.70E+00	5.16E+00	3.43E+00
Vanadium	2.42E+01		3.28E+01	7.82E+01	7.30E+02
Zinc	3.83E+01		3.06E+01	2.35E+04	1.36E+04

Notes:
mg/kg = milligrams per kilogram
N/A = Not applicable
(1) Site-specific background is the 95% upper tolerance limit (UTL) [W-C 1997].
(2) NMED Soil Screening Levels for Residential Soil (NMED 2005c).
(3) NMED Soil-to-Groundwater Screening Levels (NMED 2005c) with a dilution attenuation factor (DAF) of 20.
(4) NMED TPH Screening Guidelines - Vapor Migration and Inhalation of Groundwater (GW-2) for kerosene and jet fuel (NMED 2005b)
Maximum concentrations includes data associated with samples:
C11-SB01-010, C11-SB02-007, C11-SB05-024, C11-SB06-015, C11-SB07-034, C11-SB08-036, CAN086-8611-0000, CAN086-8611-0004, CAN086-8611-0039, CAN086-8611-0049, CAN086-8613-0000, CAN086-8613-0034, CAN086-8614-0000, CAN086-8614-0004, CAN086-8614-
CAN086-8614-0034, CAN086-8615-0001, CAN086-8617-0000, CAN086-8617-0029, CAN086-8619-0000, CAN086-8619-0029, SD11-3

TABLE 3-2
BORROW BACKFILL MATERIAL ANALYTICAL RESULTS FOR SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			Curry County Caliche			Diamondback Confirmation		
DATE COLLECTED			May 14, 2007			May 14, 2007		
	Maximum	Frequency	Result	RL	Qual	Result	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)								
Acetone	0.029	1 / 2	0.029	20		<	20	U
All other analytes nondetect								
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)								
All analytes nondetect								
PESTICIDES (mg/kg)								
All analytes nondetect								
POLYCHLORINATED BIPHENYLS (µg/kg)								
All analytes nondetect								
METALS (mg/kg)								
Arsenic	47.3	2 / 2	47.3	0.25		14.2	0.25	
Barium	358	2 / 2	358	0.15		1.75	0.15	
Cadmium	ND	0 / 2	<	0.25	U	<	0.25	U
Chromium	3.5	2 / 2	3.5	0.1		2.82	0.1	
Lead	ND	0 / 2	<	0.25	U	<	0.25	U
Selenium	59.6	2 / 2	59.6	0.5		7.3	0.5	
Silver	ND	0 / 2	<	0.25	U	<	0.25	U
Mercury	ND	0 / 2	<	0.02	U	<	0.02	U

Notes: Only RLs were reported for data, MDLs were not provided by the laboratory.
mg/kg = milligram per kilogram
µg/kg = microgram per kilogram
RL = Reporting Limit
Qual = Qualifier
ND = Not Detected
U = Nondetect

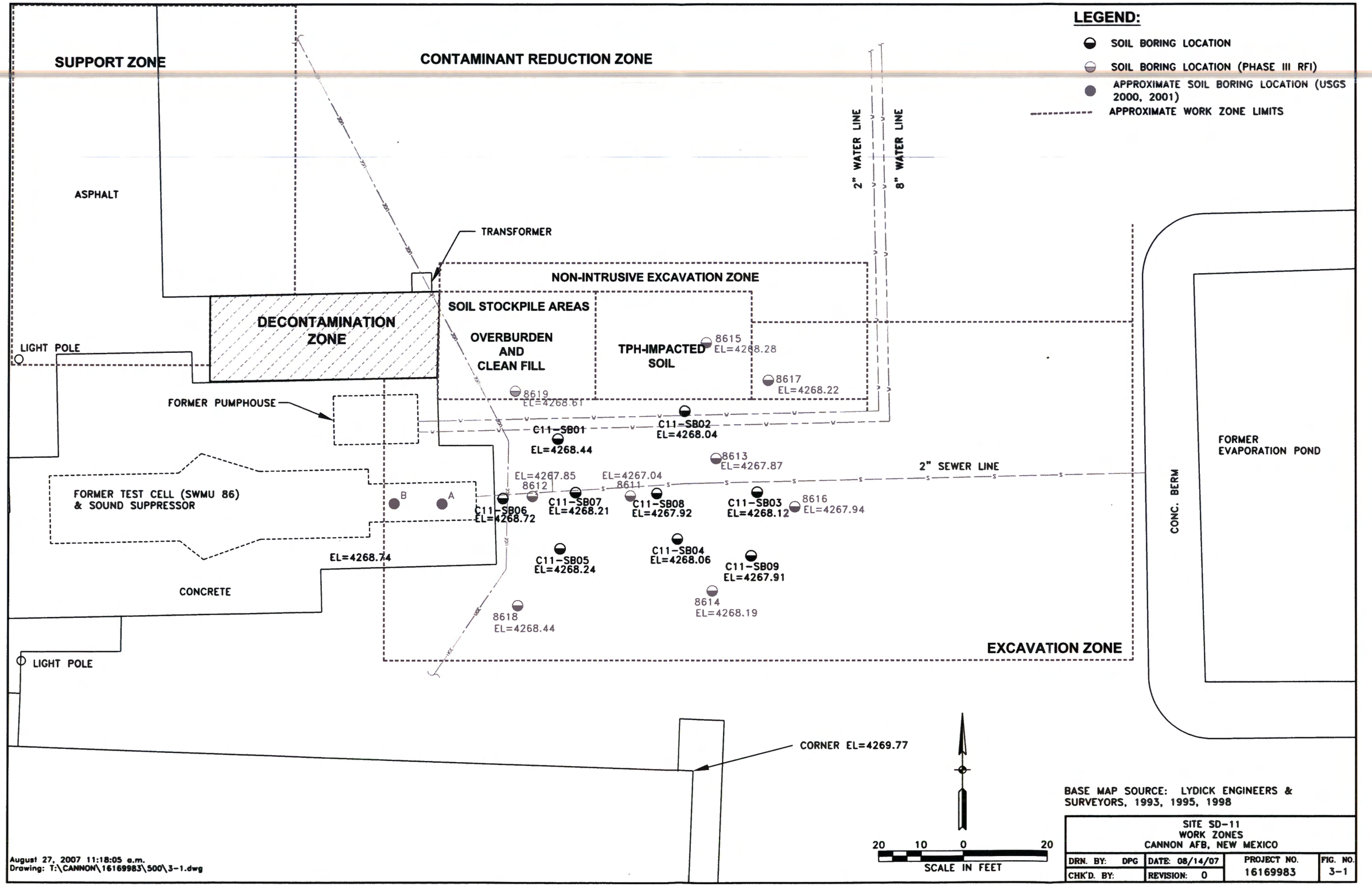
TABLE 3-3
SITE SD-11 CMI EXCAVATION COMPACTION TEST RESULTS FOR TOP FOUR FEET OF BACKFILL

Lift ID	Wet Density	Moisture Content	Dry Density	Percent of Compaction
Bottom 2 feet	123.8	10.5	112	100.1
Top 2 feet	121.4	9.4	111	99.2

Notes:

The percent of compaction required = 85%

The percnt moisture required = ± 3.0%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SOIL BORING LOCATION (PHASE III RFI)
APPROXIMATE SOIL BORING LOCATION (USGS 2000, 2001)
APPROXIMATE WORK ZONE LIMITS
SUPPORT ZONE
CONTAMINANT REDUCTION ZONE
ASPHALT
TRANSFORMER
NON-INTRUSIVE EXCAVATION ZONE
SOIL STOCKPILE AREAS
DECONTAMINATION ZONE
OVERBURDEN AND CLEAN FILL
TPH-IMPACTED SOIL
LIGHT POLE
FORMER PUMPHOUSE
2" WATER LINE
8" WATER LINE
8615 EL=4268.28
8617 EL=4268.22
8619 EL=4268.61
C11-SB01 EL=4268.44
C11-SB02 EL=4268.04
8613 EL=4267.87
2" SEWER LINE
FORMER EVAPORATION POND
CONC. BERM
FORMER TEST CELL (SWMU 86) & SOUND SUPPRESSOR
B
A
EL=4267.85
8612
EL=4267.04
8611
C11-SB06 EL=4268.72
C11-SB07 EL=4268.21
C11-SB08 EL=4267.92
C11-SB03 EL=4268.12
8616 EL=4267.94
EL=4268.74
C11-SB05 EL=4268.24
C11-SB04 EL=4268.06
C11-SB09 EL=4267.91
CONCRETE
8614 EL=4268.19
8618 EL=4268.44
EXCAVATION ZONE
LIGHT POLE
CORNER EL=4269.77
20 10 0 20
SCALE IN FEET
BASE MAP SOURCE: LYDICK ENGINEERS & SURVEYORS, 1993, 1995, 1998
SITE SD-11
WORK ZONES
CANNON AFB, NEW MEXICO
DRN. BY: DPG
DATE: 08/14/07
PROJECT NO. 16169983
FIG. NO. 3-1
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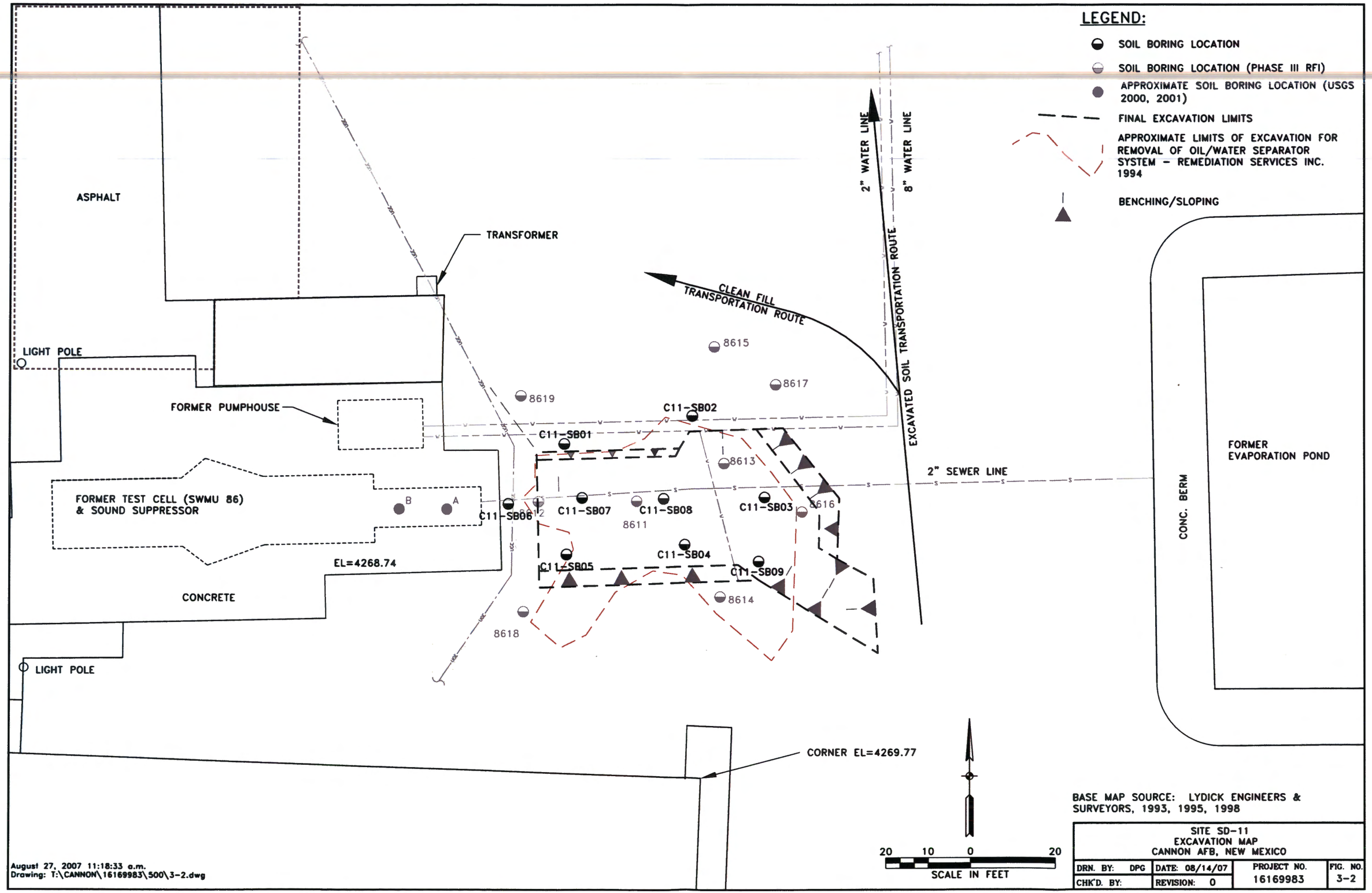
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SOIL BORING LOCATION (PHASE III RFI)
APPROXIMATE SOIL BORING LOCATION (USGS 2000, 2001)
FINAL EXCAVATION LIMITS
APPROXIMATE LIMITS OF EXCAVATION FOR REMOVAL OF OIL/WATER SEPARATOR SYSTEM - REMEDIATION SERVICES INC. 1994
BENCHING/SLOPING
ASPHALT
TRANSFORMER
LIGHT POLE
FORMER PUMPHOUSE
FORMER TEST CELL (SWMU 86) & SOUND SUPPRESSOR
B
A
EL=4268.74
CONCRETE
LIGHT POLE
CLEAN FILL TRANSPORTATION ROUTE
EXCAVATED SOIL TRANSPORTATION ROUTE
2" WATER LINE
8" WATER LINE
2" SEWER LINE
8615
8617
8619
C11-SB02
C11-SB01
8613
C11-SB06
8612
C11-SB07
C11-SB08
8611
C11-SB03
8616
C11-SB04
C11-SB05
C11-SB09
8614
8618
CONC. BERM
FORMER EVAPORATION POND
CORNER EL=4269.77
20 10 0 20
SCALE IN FEET
BASE MAP SOURCE: LYDICK ENGINEERS & SURVEYORS, 1993, 1995, 1998
SITE SD-11
EXCAVATION MAP
CANNON AFB, NEW MEXICO
DRN. BY: DPG
DATE: 08/14/07
PROJECT NO. 16169983
FIG. NO. 3-2
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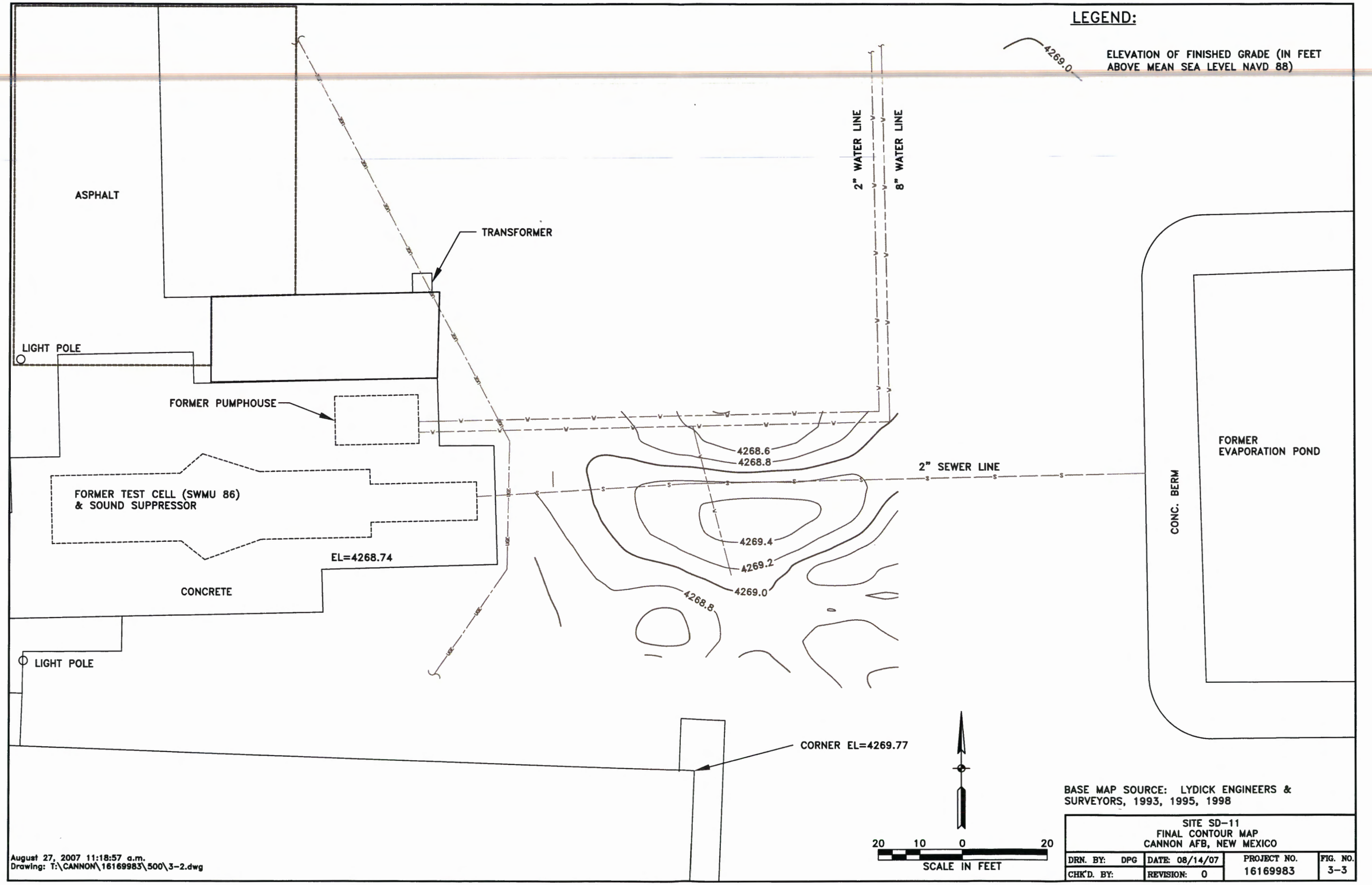
LEGEND:
4269.0
ELEVATION OF FINISHED GRADE (IN FEET ABOVE MEAN SEA LEVEL NAVD 88)
ASPHALT
TRANSFORMER
2" WATER LINE
8" WATER LINE
LIGHT POLE
FORMER PUMPHOUSE
FORMER TEST CELL (SWMU 86) & SOUND SUPPRESSOR
EL=4268.74
CONCRETE
4268.6
4268.8
2" SEWER LINE
4269.4
4269.2
4269.0
4268.8
CONC. BERM
FORMER EVAPORATION POND
LIGHT POLE
CORNER EL=4269.77
20 10 0 20
SCALE IN FEET
BASE MAP SOURCE: LYDICK ENGINEERS & SURVEYORS, 1993, 1995, 1998
SITE SD-11
FINAL CONTOUR MAP
CANNON AFB, NEW MEXICO
DRN. BY: DPG
DATE: 08/14/07
PROJECT NO. 16169983
FIG. NO. 3-3
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This section provides an overview of the on-site health and safety program and summarizes the reporting activities associated with the CMI project.

4.1 HEALTH AND SAFETY

On-site health and safety complied with the Site SD-11 CMI Health and Safety Plan – Revision 1 (URS 2006) and applicable Cannon AFB regulations (such as speed limits and prohibiting cell phone use while driving).

The following sections describe the health and safety responsibilities, PPE requirements, safety statistics, and safety reporting activities for the CMI Removal action.

4.1.1 Personnel Health and Safety Responsibilities

URS was responsible for overall on-site health and safety oversight. The URS SHSO implemented the Site SD-11 CMI Health and Safety Plan (HSP) and reported any deviations from the anticipated conditions described in the plan to the Project Manager (PM) and the Regional Health and Safety Manager (RHSM).

All personnel involved in the CMI Removal project were required to abide by the provisions of the Site SD-11 CMI Work Plan – Revision 1 (URS 2006). Prior to the start of field activities, personnel were provided with copies of the Work Plan document. All field personnel submitted copies of their health and safety certificates to the URS SHSO.

On the first day of field activities (May 14, 2007) and removal action (May 21, 2007), the URS SHSO conducted an initial health and safety briefing with all personnel. Upon completing the initial health and safety briefing, each employee signed the Safety Compliance Agreement Form. The signed Initial Health and Safety Meeting Record are provided in **Appendix E**.

4.1.2 PPE Requirements and Monitoring

During the completion of excavation activities at Site SD-11, benzene was one of the primary risk-drivers. When excavation activities first started, all personnel working inside the EZ dressed in Level D PPE.

To ensure the safety of the workers, area air monitoring was conducted using a PID during the excavation activities. Air monitoring results were recorded in the field log book. No results were encountered that warranted an upgrade of PPE level. This was in part due to low levels of contaminants encountered at the site and to a daily strong westerly wind that swept away any potentially high levels.

4.1.3 Daily Safety Briefings and Daily Safety Reports

The URS SHSO conducted daily safety briefings for each day of excavation activities and recorded those in attendance in the field log book. At the daily safety briefings, hazards associated with the planned features of work were described.

The URS SHSO also completed Daily Safety Reports for each day of field work. The Daily Safety Reports described the type of work performed each day and summarized the daily safety activities. The Daily Safety Reports also documented any safety violations, corrective action given, or corrective action taken.

Copies of the signed Daily Safety Reports are provided in **Appendix F**.

4.2 DAILY QUALITY CONTROL REPORTS

Daily QC Reports (DQCRs) were completed by URS for each day of field work. DQCRs include a summary of the Health and Safety Activities, daily field activities and QA/QC information pertaining to all features of work. It was the responsibility of the URS Field Manager or the URS Quality Assurance Officer to complete, date, and sign the DQCRs. Copies of the completed and signed DQCRs are provided in **Appendix C**.

4.3 PHOTOGRAPHIC DOCUMENTATION

A photographic record of site activities and progress was maintained throughout the project. Pertinent photographs were compiled, described, and used to build a photographic log. The photographic log is provided in **Appendix N**.

A.T. Kearney. 1987. Preliminary Review/VSI Report RCRA Facility Assessment. Cannon AFB, Clovis, New Mexico. July.

CH2M Hill. 1983. Installation Restoration Program Records Search for Cannon AFB, New Mexico. August.

Lee Wan and Associates, Inc. (Lee Wan). 1990. RCRA Facility Investigation Field Sampling Plan. Cannon AFB, New Mexico. June.

New Mexico Environment Department (NMED). 2005a. Letter to Col. John D. Posner, Commander 27th Fighter Wing from Cheryl Frischkorn, Hazardous Waste Bureau regarding Corrective Measures Study, Site SD-11 (SWMUs 86-90), EPA ID No. NM7572124454, HWB-CAFB-03-001, dated July 19.

New Mexico Environment Department (NMED). 2005b. Technical Background Document for Development of Soil Screening Levels. Rev. 3.0. August.

New Mexico Environment Department (NMED). 2005c. TPH Screening Guidelines. November.

New Mexico Environment Department (NMED). 2006a. Letter to Col. Scott D. West, Commander 27th Fighter Wing from Cheryl Frischkorn, Hazardous Waste Bureau regarding Site SD-11 (SWMUs 86-90) Corrective Measures Implementation Work Plan, HWB-CAFB-06-002, dated 21 November. Received 28 November 2006.

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Radian Corporation. 1986. Installation Restoration Program Phase II – Confirmation/ Quantification Stage I, Cannon AFB, New Mexico. September.

Remediation Services Incorporated (RSI). 1994. Closure Report: DACA 45-94-B-0100. September.

United States Geological Survey (USGS). 2001. Additional sampling at SD-11, Cannon AFB, New Mexico. Results summary includes narrative, map, and analytical results.

URS Greiner Woodward-Clyde (URS). 1999. Corrective Measures Study, Site SD-11 (SWMUs 86-90). Cannon Air Force Base, New Mexico. Final Report. July.

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Woodward-Clyde (W-C). 1997. RCRA Facility Investigation, Appendix I SWMUs 86-90 (IRP Site SD-11) – Phase III. Cannon Air Force Base, New Mexico. Final RFI Report. November.

APPENDIX A

Corrective Measures Investigation Boring Logs and Sample Collection Field Sheets (SCFSs)

A.1 Boring Logs

DETAIL CHECKING - HTRW BORING LOG

Date 5-21-07
Project Name Cannon AFB SD-11 CMI
Project Number 16169983
Name of Detail Checker Ben Christensen

Item Number	Cell Number	Boring Log Page 1 Items	Yes	No
1	----	Are all appropriate cells completed with appropriate information or NA?	X	
2	----	Are depth references listed (i.e., bgs, bTOC, etc)?	X	
3	----	Is the boring number listed in all appropriate cells?	X	
4	7	Is the list of sizes and types of drilling and sampling equipment complete?	X	
5	8	Are survey coordinates required for the boring logs? If yes, are they included?		
6	9	Has the ground surface elevation been determined?		X
7	12-14	Do the overburden and depth drilled into rock add up to the total depth drilled, as indicated on the last page of the boring log?	NA	
8	14	Does the total hole depth match the bottom of boring indicated on the boring log?	X	
9	15	Is depth to groundwater indicated?	X	
10	15-17	Do the Depth Groundwater Encountered and other groundwater references match the depth indicated on the boring log?	X	
11	18	Is the number of geotechnical samples indicated? (Cell 18 should be marked "NA" or "0" if none were required.)	X	
12	20	Is the number of Samples For Chemical Analysis indicated (Cell 20 should be marked "NA" or "0" if none were required.)	X	
13	20	Are all chemical analytes listed?	X	
14	22	Is the Disposition of Hole completed?	X	
15	23	Has the Signature of Inspector been completed?	X	
16	----	Does the Location Sketch have a north arrow and a notation of scale (or not to scale)?	X	
17	----	Is the boring location clearly labeled on the Location Sketch/Comments?	X	
18	----	Is a PG stamp and signature required? ?		

Item Number	Column	Boring Log Continuation Page(s)	Yes	No
1	----	For USACE jobs, does the scale meet the one foot-per-inch scale requirement?	X	
2	----	Are all appropriate cells completed, including the boring number, and inspector signature?	X	
3	B or H	Is the depth at which groundwater was encountered (when applicable) indicated in Column B or Column H?	X	
4	C	Are the descriptions of materials in complete (e.g., USCS symbols and nomenclature for soils)?	X	
5	C	Are soil type\lithologic breaks clearly indicated?	X	
6	C	Is the bottom of the boring clearly identified?	X	
7	D	Are field screening results and sample intervals recorded?	X	
8	E	Are geotechnical samples and sample intervals or core boxes identified (when applicable)?	X	
9	F	Are analytical samples and sample intervals identified (when applicable)?	X	
10	G	Are resistance measurements and sample intervals (e.g., blow counts or pocket penetrometer readings) listed (when applicable)?	X	
11	H	Are lithologic or stratigraphic unit names listed in Column H?	X	
12	H	Are sample collection times listed in Column H?	X	
13	H	Are rates of recovery clearly marked in Column H?	NA	
14	H	Is the type of sampler indicated if multiple types of samplers were used during drilling?	X	

SB-08
1 of 6

HTRW DRILLING LOG

DISTRICT: AFCEE		HOLE NUMBER: C11-SB01
1. COMPANY NAME: *URS GROUP, INC.*	2. DRILLING CONTRACTOR: Atkins Engineering	SHEET 1 OF 4 SHEETS
3. PROJECT: CANNON AFB - SD-11 CMI	4. LOCATION: CANNON AFB, NEW MEXICO	
5. NAME OF DRILLER: Mort Bates	6. MANUFACTURER'S DESIGNATION OF DRILL: Mobile 58	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 3-1/4" I.D. Hollow-Stem augers; 5' CME sampler; 2" I.D. Stainless Steel Split Spoon	8. HOLE LOCATION: 1,229,475.73N 808,383.91E	
	9. SURFACE ELEVATION: 4268.44'	
	10. DATE STARTED: 5/14/07	11. DATE COMPLETED: 5/14/07
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: Not Encountered	
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA	
14. TOTAL DEPTH OF HOLE: 26' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA	

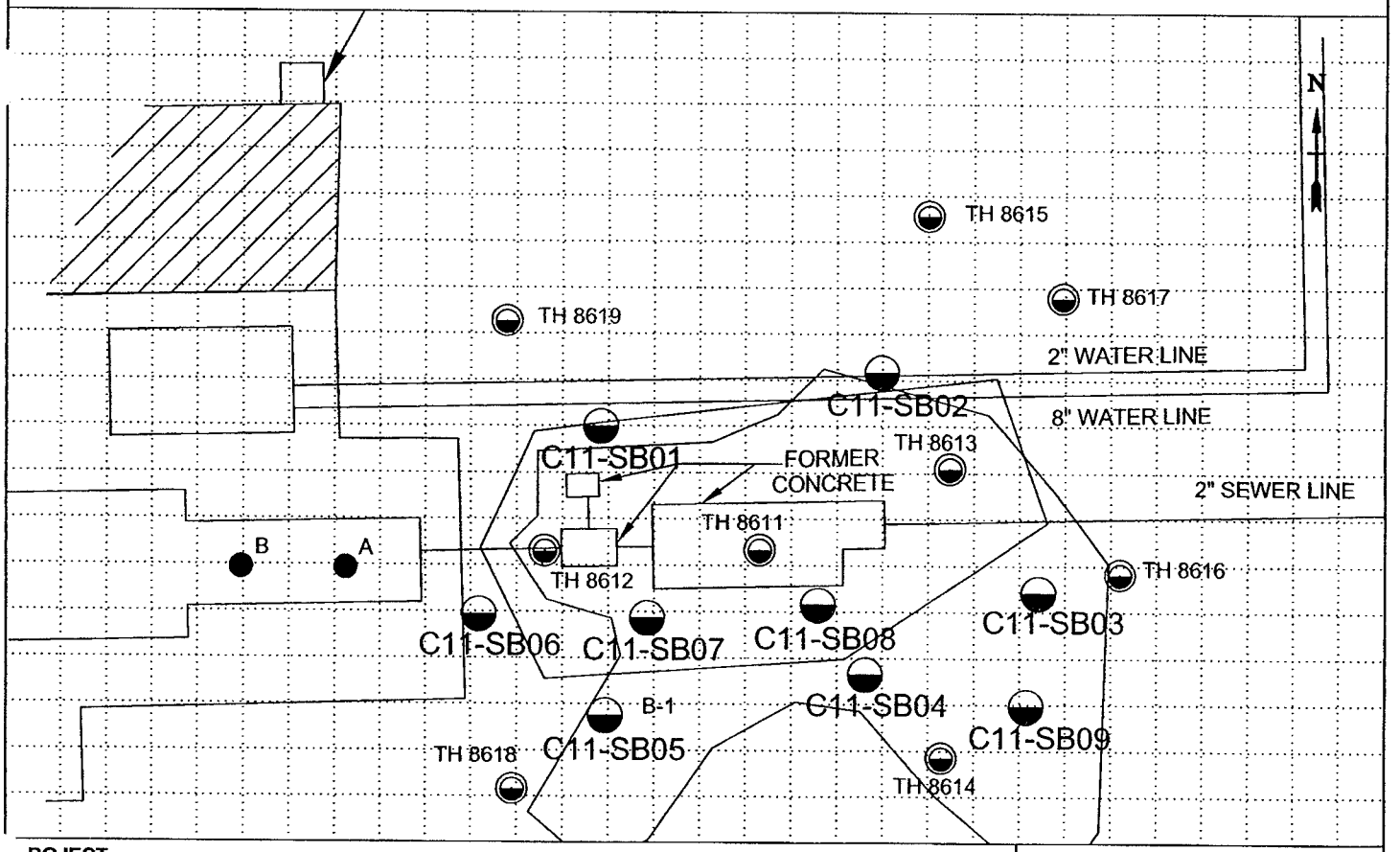
18. GEOTECHNICAL SAMPLES (TESTED)	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0			NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	X	X	TPHGRO	TPHDRO	SVOCs	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Bentonite chips			M. Sonderman

LOCATION SKETCH/COMMENTS

SCALE: 1" = 20'



ROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB01

ENG FORM 5056-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB01	2 OF	4

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: M. Sonderman

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4268.4	0	Silty SAND (SM) - Loose, dry to slightly moist, light pink to tan, with pieces of caliche and gravel	Background = 0				Fill
							BZ = Breathing Zone HS = Headspace
4267.4	1		BZ = 0 HS = 0				
		Becomes red, without gravel					
4266.4	2						
4265.4	3						
							No staining
4264.4	4		No Recovery				
4263.4	5					CME	R=3.9/5.0 T=1415
			BZ = 0				R = Recovery/Run (in feet) CME = 5' sampler T = Time
4262.4	6	Sandy SILT (ML) - Soft, slightly moist, white and pinkish-tan mottled, low plastic, with trace clay and some weak cementation					Native soil
			HS = 0				
4261.4	7						
4260.4	8				C11-SB01-010		No staining or odor VOCs and TPHGRO from 8-9'
4259.4	9						
4258.4	10					CME	R=5.0/5.0 T=1423

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB01

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER: C11-SB01

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: M. Sonderman

SHEET 3 OF 4 SHEETS

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4258.4	10	SAME: Sandy SILT (ML) - Soft, slightly moist, white and pinkish-tan mottled, low plastic, weakly cemented	HS = 0 BZ = 0				Native soil
4257.4	11		No Recovery				
4256.4	12					S2	R=0.6/2.0 T=1430
							S2 = 2" splitspoon
4255.4	13		BZ = 0 HS = 0				
4254.4	14					S2	R=2.0/2.0 T=1440
4253.4	15		BZ = 0 HS = 0				
4252.4	16					S2	R=2.0/2.0 T=1448
			Slough				
4251.4	17					S2	R=1.0/1.0
		Silty SAND (SM) - Medium dense to dense, moist, reddish-brown to red, with some pinkish-white mottling, fine-grained					Native soil
4250.4	18		HS = 0 BZ = 0		C11-SB01-020		
4249.4	19						
4248.4	20						

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB01

ENG FORM 5056A-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER: C11-SB01

ROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: M. Sonderman

SHEET 4 OF 4 SHEETS

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4248.4	20	SAME: Silty SAND (SM) - Medium dense to dense, slightly moist to dry, light red, fine-grained, with silt and small pink cemented nodules					Native soil
4247.4	21					CME	R=4.0/4.0 T=1455
			BZ = 0 HS = 0				
4246.4	22					CME	R=1.0/1.0 T=1508
					C11-SB01-024	18	Refusal using 5' CME
		With well-cemented caliche	BZ = 0			19	
4245.4	23		HS = 0			18	
						18	
4244.4	24		No Recovery			S2	R=1.8/2.0 T=1515
						20	
		SAND (SP) - Medium dense, slightly moist, red, fine-grained, with some silt	BZ = 0 HS = 0			37	Native soil
4243.4	25					50+	
		Caliche					Native soil
4242.4	26		No Recovery			S2	R=1.7/2.0
		B.O.B. @ 26.0' bgs					
4241.4	27						
4240.4	28						
4239.4	29						
4238.4	30						

ROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB01

ENG FORM 5056A-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG

DISTRICT: AFCEE		HOLE NUMBER: C11-SB02
1. COMPANY NAME: *URS GROUP, INC.*	2. DRILLING CONTRACTOR: Atkins Engineering	SHEET 1 OF 4 SHEETS

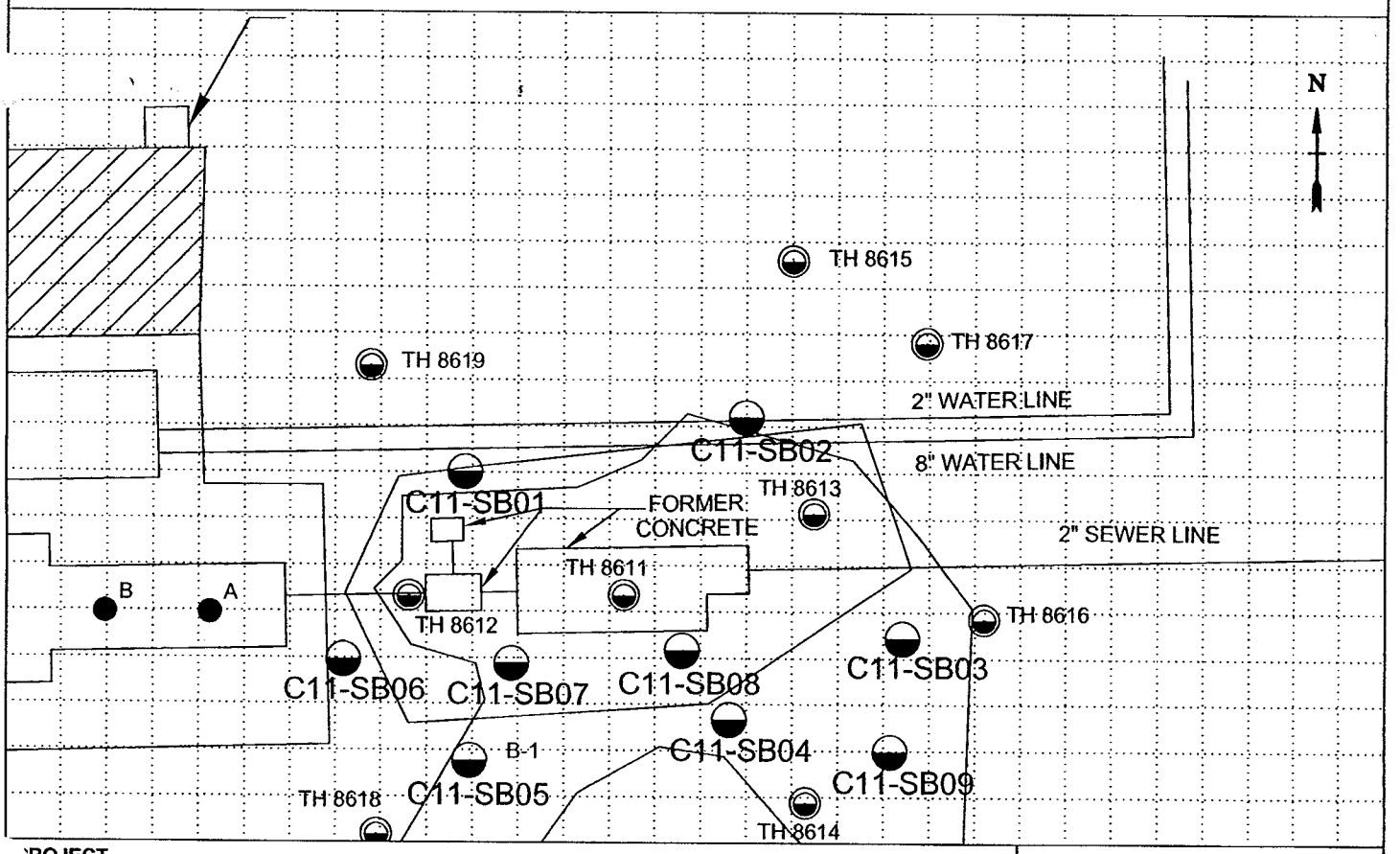
3. PROJECT: CANNON AFB - SD-11 CMI	4. LOCATION: CANNON AFB, NEW MEXICO
5. NAME OF DRILLER: Mort Bates	6. MANUFACTURER'S DESIGNATION OF DRILL: Mobile 58
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 3-1/4" I.D. Hollow-Stem augers; 5' CME sampler	8. HOLE LOCATION: 1,229,481.65N 808,414.43E
	9. SURFACE ELEVATION: 4268.04'
	10. DATE STARTED: 5/15/07 / 11. DATE COMPLETED: 5/15/07
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: Not Encountered
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA
14. TOTAL DEPTH OF HOLE: 25' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA

18. GEOTECHNICAL SAMPLES (TESTED)	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0			NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	X	X	TPHGRO	TPHDRO	SVOCs	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Bentonite chips			M. Sonderman

LOCATION SKETCH/COMMENTS SCALE: 1" = 20'



PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB02

ENG FORM 5056-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB02	2	4

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: M. Sonderman

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4268.0	0	Silty CLAY (CL) - Medium stiff, dry, pinkish-tan, low plastic, with chunks of caliche	Background = 0				Fill BZ = Breathing Zone HS = Headspace
4267.0	1	Becomes stiff, red, slightly moist, with no caliche	BZ = 0 HS = 0				
4266.0	2						
4265.0	3	Clayey SAND (SC) - Medium dense, slightly moist, red, fine-grained, with silt					Fill
4264.0	4		No Recovery				
4263.0	5					CME	R=3.6/5.0 T=0734 R = Recovery/Run (in feet) CME = 5' sampler T = Time Native soil
		Clayey SILT (ML) - Medium stiff, moist, pinkish-tan and tan mottled, low plastic	BZ = 0		C11-SB02-007		
4262.0	6		HS = 0				
4261.0	7						
4260.0	8						
4259.0	9						
4258.0	10		No Recovery			CME	R=4.75/5.0 T=0745

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB02

ENG FORM 5056A-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB02	3	4

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: M. Sonderman

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4258.0	10	SAME: Clayey SILT (ML) - Medium stiff, slightly moist, pinkish-tan and tan mottled, low plastic, with trace fine-grained sand	BZ = 0				Native soil
4257.0	11	Sandy SILT to Silty SAND (ML-SM) - Medium stiff to medium dense, slightly moist, red, low plastic, fine-grained, with some well-cemented nodules	HS = 0		C11-SB02-013		Native soil
4256.0	12						
		Sandy SILT (ML) - Medium stiff, moist, pinkish-tan, low plastic, fine-grained, with some moderately cemented nodules					Native soil
4255.0	13	Silty SAND (SM) - Loose, moist, pinkish-tan grading to red, fine-grained					Native soil
4254.0	14	Becomes slightly coarser					
			No Recovery				
4253.0	15					CME	R=4.5/5.0 T=0754
			BZ = 0				
4252.0	16		HS = 0				
4251.0	17				C11-SB02-019		
4250.0	18						
4249.0	19						
			No Recovery				
4248.0	20					CME	R=3.9/5.0 T=0809

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB02

ENG FORM 5056A-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB02	4 OF	4

PROJECT	INSPECTOR
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	M. Sonderman

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4248.0	20	SAME: Silty SAND (SM) - Loose, moist, red, fine-grained, with trace caliche nodules					Native soil
			BZ = 0				
4247.0	21						
			HS = 0				
4246.0	22						
4245.0	23						
4244.0	24						
			No Recovery				
4243.0	25					CME	R=4.25/5.0 T=0820
		B.O.B. @ 25.0' bgs					
4242.0	26						
4241.0	27						
4240.0	28						
4239.0	29						
4238.0	30						

PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB02

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG

DISTRICT: AFCEE		HOLE NUMBER: C11-SB03
1. COMPANY NAME: *URS GROUP, INC.*	2. DRILLING CONTRACTOR: Atkins Engineering	SHEET 1 OF 4 SHEETS
3. PROJECT: CANNON AFB - SD-11 CMI	4. LOCATION: CANNON AFB, NEW MEXICO	
5. NAME OF DRILLER: Mort Bates	6. MANUFACTURER'S DESIGNATION OF DRILL: Mobile 58	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 3-1/4" I.D. Hollow-Stem augers; 5' CME sampler; 2" I.D. Stainless Steel Split Spoon	8. HOLE LOCATION: 1,229,457.88N 808,431.47E	
	9. SURFACE ELEVATION: 4268.12'	
	10. DATE STARTED: 5/15/07	11. DATE COMPLETED: 5/15/07
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: Not Encountered	
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA	
14. TOTAL DEPTH OF HOLE: 27.5' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA	

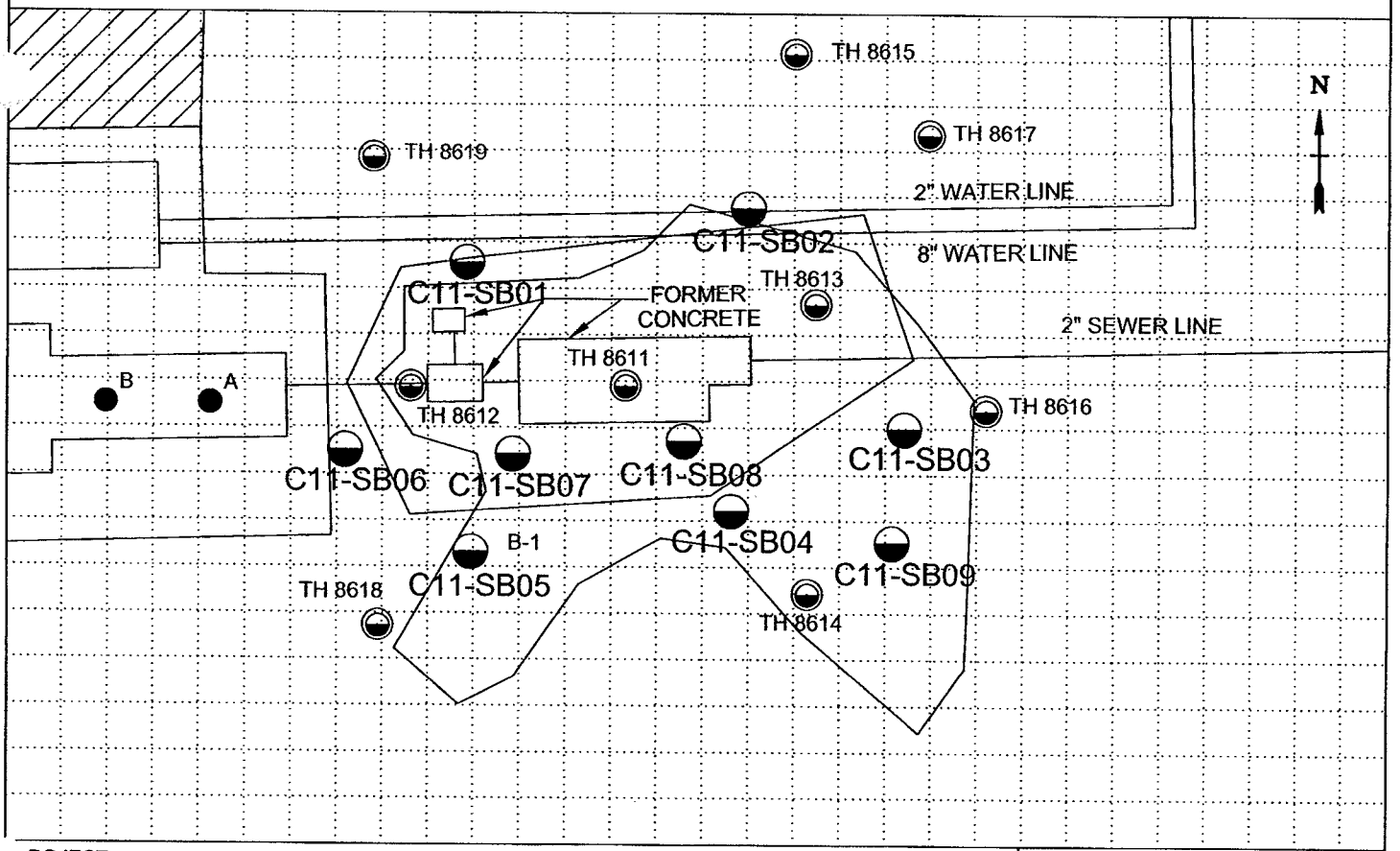
18. GEOTECHNICAL SAMPLES (TESTED)	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0			NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	X	X	TPHGRO	TPHDRO	SVOCs	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Bentonite chips			M. Sonderman

LOCATION SKETCH/COMMENTS

SCALE: 1" = 20'



PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB03

ENG FORM 5056-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

PROJECT	INSPECTOR	HOLE NUMBER	SHEET	SHEETS
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	M. Sonderman	C11-SB03	2 OF	4

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4268.1	0	Asphalt	Drilled out				Pavement
4267.1	1	Silty CLAY (CL) - Soft, moist, olive-gray with green staining, low plastic, with sand and fine gravel	Background = 0 BZ = 0 HS = 3.1 ppm				Fill BZ = Breathing Zone HS = Headspace Petroleum odor
4266.1	2						
4265.1	3						
4264.1	4		No Recovery				
4263.1	5					CME	R=2.5/4.5 T=0950 R = Recovery/Run (in feet) CME = 5' sampler T = Time
4262.1	6		BZ = 0 HS = 275 ppm				
4261.1	7						
4260.1	8	4" long piece of gravel, petroleum staining					Strong petroleum odor
4259.1	9		No Recovery				
4258.1	10					CME	R=3.3/5.0 T=0958

PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB03

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB03	3 OF	4

PROJECT	INSPECTOR
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	M. Sonderman

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4258.1	10	SAME: Silty CLAY (CL) - Soft to medium stiff, moist, brown to reddish-brown with white nodules, low plastic, with trace sand and fine gravel	BZ = 0				Fill
4257.1	11	With few small spots of petroleum staining	HS = 2.3 ppm				Petroleum odor
4256.1	12						
		With few small spots of petroleum staining					
4255.1	13						
4254.1	14		No Recovery				
4253.1	15					CME	R=3.25/5.0 T=1005
4252.1	16		BZ = 0				
		Silty CLAY to Clayey SILT (CL-ML) - Soft to medium stiff, moist, light tan, with some iron staining, low plastic, with some weak cementation	HS = 0		C11-SB03-018		Native soil
4251.1	17						
		With increasing silt					
4250.1	18						
		Sandy SILT (ML) - Medium stiff, slightly moist, light tan, low plastic, fine-grained					
4249.1	19						
		With increasing sand and iron staining					
4248.1	20					CME	R=5.0/5.0 T=1020

PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB03

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER: C11-SB03

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: M. Sonderman

SHEET 4 OF 4 SHEETS

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4248.1	20	Silty SAND (SM) - Medium dense, moist, light red, fine-grained					Native soil
			BZ = 0		C11-SB03-023		
4247.1	21		HS = 0				
4246.1	22						Hard drilling
		With strongly cemented nodules				CME	R=2.5/2.5 T=1028
		Sandy SILT (ML) - Stiff, dry, light brown with tan cementation, low plastic, fine-grained				16	
4245.1	23		BZ = 0 HS = 0			17	
						25	
4244.1	24					25	
		Becomes hard, well cemented				S2	R=2.0/2.0 T=1033
							S2 = 2" splitspoon
4243.1	25		HS = 0 BZ = 0				
						CME	R=1.0/1.0 T=1045
					C11-SB03-027		Too hard to drill
4242.1	26		HS = 0 BZ = 0				
4241.1	27						
			No Recovery			S2	R=1.5/2.0 T=1100
		B.O.B. @ 27.5' bgs					
4240.1	28						
4239.1	29						
4238.1	30						

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB03

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG

DISTRICT: AFCEE		HOLE NUMBER: C11-SB04
COMPANY NAME: *URS GROUP, INC.*	2. DRILLING CONTRACTOR: Atkins Engineering	SHEET 1 OF SHEETS 4

3. PROJECT: CANNON AFB - SD-11 CMI	4. LOCATION: CANNON AFB, NEW MEXICO
5. NAME OF DRILLER: Mort Bates	6. MANUFACTURER'S DESIGNATION OF DRILL: Mobile 58
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 3-1/4" I.D. Hollow-Stem augers; 5' CME sampler; 2" I.D. Stainless Steel Split Spoon	8. HOLE LOCATION: 1,229,449.04N 808,412.67E
	9. SURFACE ELEVATION: 4268.06'
	10. DATE STARTED: 5/15/07 / 11. DATE COMPLETED: 5/15/07
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: Not Encountered
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA
14. TOTAL DEPTH OF HOLE: 30' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA

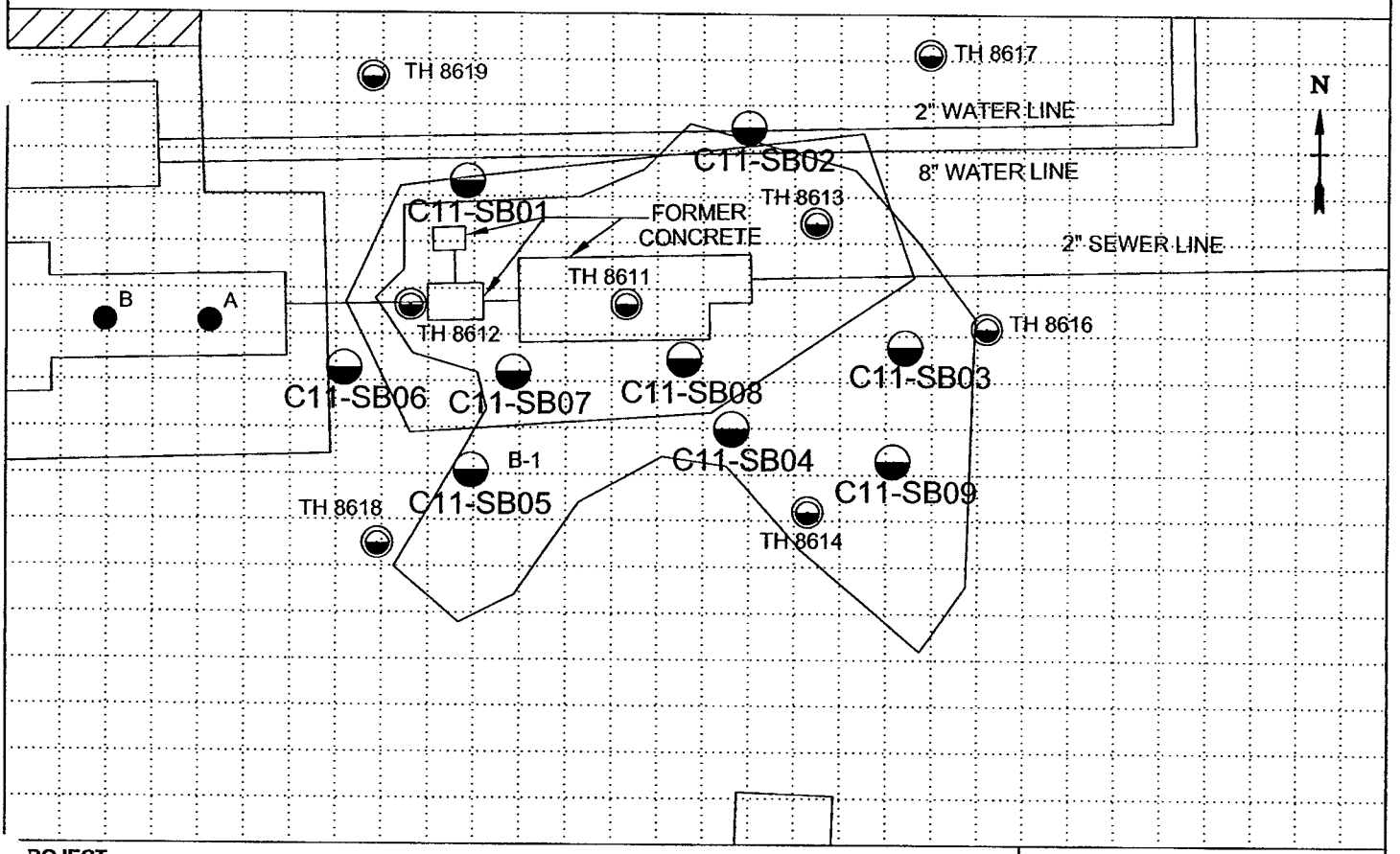
18. GEOTECHNICAL SAMPLES (TESTED)	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0			NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	X	X	TPHGRO	TPHDRO	SVOCs	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Bentonite chips			M. Sonderman

LOCATION SKETCH/COMMENTS

SCALE: 1" = 20'



ROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB04

ENG FORM 5056-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB04	2	4

PROJECT	INSPECTOR
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	M. Sonderman

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4268.1	0	Silty CLAY (CL) - Medium stiff, moist, brown, low plastic, with asphalt, sand, and gravel	Background = 0				Fill
4267.1	1		HS = 68.7 ppm BZ = 0				BZ = Breathing Zone HS = Headspace
		With light tan nodules					
4266.1	2						
4265.1	3		No Recovery				
4264.1	4						
4263.1	5					CME	R=2.5/5.0 T=1051
			BZ = 0				R = Recovery/Run (in feet) CME = 5' sampler T = Time
4262.1	6	With petroleum staining	HS = 89.7 ppm				
4261.1	7						
		With petroleum staining					
4260.1	8						
4259.1	9		No Recovery				
4258.1	10					CME	R=3.2/5.0 T=1157

PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB04

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB04	3	4

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: M. Sonderman

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4258.1	10	SAME: Silty CLAY (CL) - Medium stiff, moist, red to brown, low plastic, with light tan mottling	BZ = 0				Fill
4257.1	11	With dark staining	HS = 692 ppm				Petroleum odor
4256.1	12						
4255.1	13	With increasing silt and sand					
4254.1	14	With petroleum staining					Petroleum odor
4253.1	15		BZ = 0			CME	R=5.0/5.0 T=1208
4252.1	16	SILT (ML) - Medium stiff, moist, light brown to tan, low plastic; with some cemented nodules and iron staining	HS = 1.4 ppm		C11-SB04-018		Native soil
4251.1	17						
4250.1	18	Becomes light reddish-brown, with trace fine-grained sand					
4249.1	19	Becomes more red, with increasing sand					
4248.1	20					CME	R=5.0/5.0 T=1218

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB04

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER: C11-SB04

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: M. Sonderman

SHEET 4 OF 4 SHEETS

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4248.1	20	SAME: SILT (ML) - Medium stiff, dry, light brown to reddish-brown, low plastic, well cemented	HS = 0 BZ = 0				Native soil
4247.1	21		No Recovery			CME	Refusal to CME sampler R=0.9/1.0 T=1225
			BZ = 0 HS = 34.5 ppm			19 22 25	
4246.1	22	Silty SAND (SM) - Medium dense to dense, dry, reddish-brown to red, fine-grained, moderately cemented				23	Native soil
4245.1	23		No Recovery			S2	R=1.9/2.0 T=1232
			BZ = 0 HS = 35.5 ppm		C11-SB04-025	23 26 35 37	S2 = 2" splitspoon
4244.1	24						
4243.1	25					S2	R=2.0/2.0 T=1240
			HS = 7.5 ppm BZ = 0			14 20 21 28	
4242.1	26						
			No Recovery			S2	R=1.6/2.0 T=1300
4241.1	27						
			BZ = 0 HS =47.1 ppm			20 24 41 41	
4240.1	28	Moderately to well cemented			C11-SB04-030		
4239.1	29					50 S2	R=2.0/2.0 T=1315
		Very well cemented, grading to cemented solid	HS = 47.1 ppm BZ = 0			50 50	
4238.1	30	B.O.B. @ 30.0' bgs				S2	R=1.0/1.0 T=1322

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB04

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG

DISTRICT: AFCEE		HOLE NUMBER: C11-SB05
COMPANY NAME: *URS GROUP, INC.*	2. DRILLING CONTRACTOR: Atkins Engineering	SHEET 1 OF 4 SHEETS

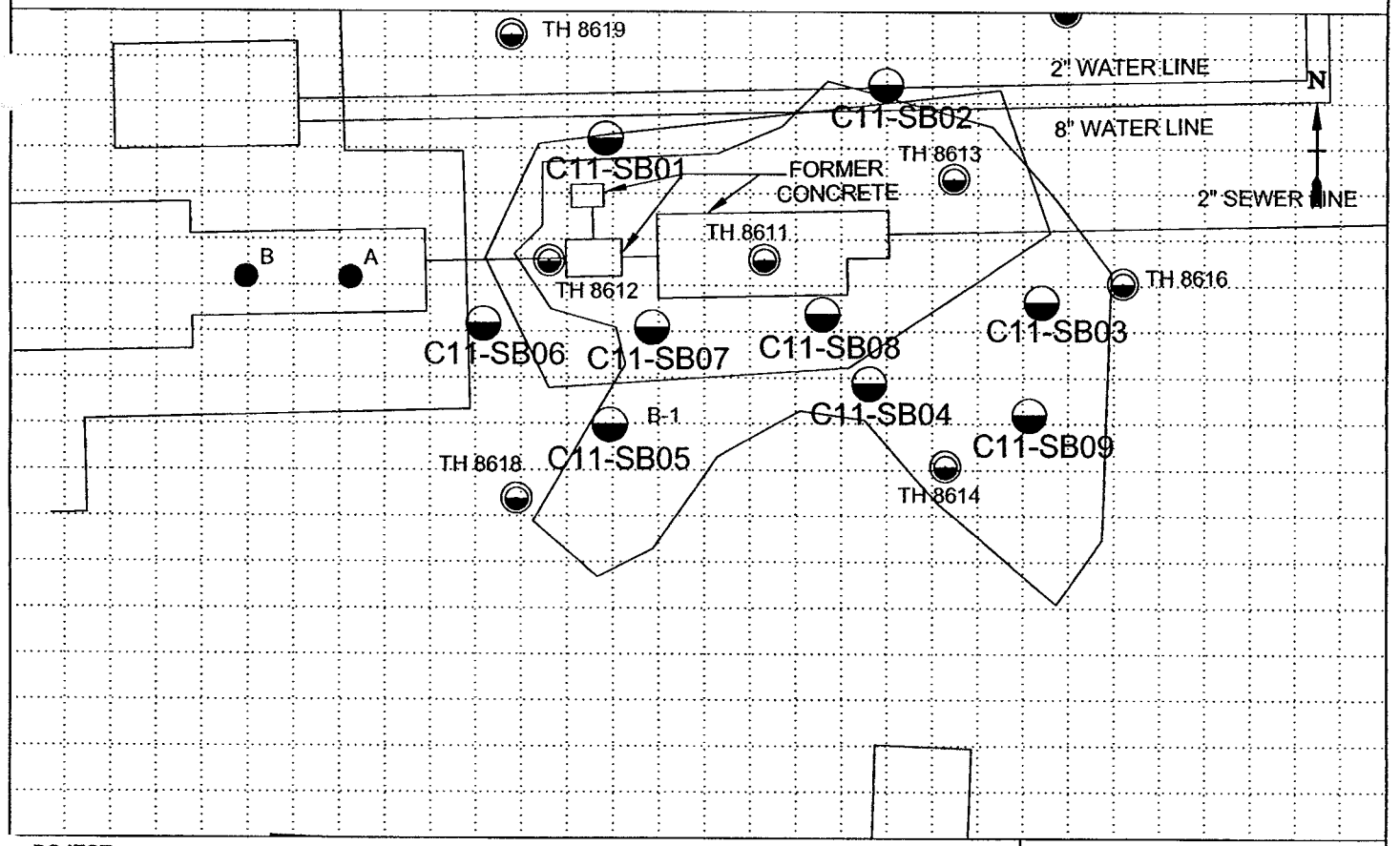
3. PROJECT: CANNON AFB - SD-11 CMI	4. LOCATION: CANNON AFB, NEW MEXICO
5. NAME OF DRILLER: Mort Bates	6. MANUFACTURER'S DESIGNATION OF DRILL: Mobile 58
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 3-1/4" I.D. Hollow-Stem augers; 5' CME sampler; 2" I.D. Stainless Steel Split Spoon	8. HOLE LOCATION: 1,229,444.58N 808,384.41E
	9. SURFACE ELEVATION: 4268.24'
	10. DATE STARTED: 5/15/07 / 11. DATE COMPLETED: 5/15/07
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: Not Encountered
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA
14. TOTAL DEPTH OF HOLE: 28' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA

18. GEOTECHNICAL SAMPLES (TESTED)	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0			NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	X	X	TPHGRO	TPHDRO	SVOCs	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Bentonite chips			S. Wrightson

LOCATION SKETCH/COMMENTS SCALE: 1" = 20'



PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB05

ENG FORM 5056-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB05	2	4

PROJECT	INSPECTOR
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	S. Wrightson

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4268.2	0	Sandy SILT (ML) - Very stiff, dry, gray to brown, mottled, with some clay	Background = 0				Fill BZ = Breathing Zone HS = Headspace
4267.2	1		BZ = 0 HS = 0				
		Clayey SILT (ML) - Stiff, moist, brown, low plastic, with some sand					Fill
4266.2	2						
4265.2	3						
4264.2	4		No Recovery				
4263.2	5					CME	R=3.7/5.0 T=1355 R = Recovery/Run (in feet) CME = 5' sampler T = Time
4262.2	6		BZ = 0				
		SILT (ML) - Medium stiff, moist, light reddish-gray, with some fine-grained sand	HS = 0		C11-SB05-009		Native soil
4261.2	7						
4260.2	8						
4259.2	9						
4258.2	10					CME	R=5.0/5.0 T=1405

PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB05

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER: C11-SB05

ROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: S. Wrightson

SHEET 3 OF 4 SHEETS

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4258.2	10	SAME: SILT (ML) - Medium stiff, moist, light reddish-gray, with some fine-grained sand	BZ = 0				Native soil
4257.2	11		HS = 0				
4256.2	12						
4255.2	13						
4254.2	14		No Recovery				
4253.2	15	SILT (ML) - Very stiff, dry, mottled reddish and gray, low plastic, calcareous				CME	R=4.5/5.0 T=1420 Native soil
4252.2	16		BZ = 0 HS = 0		C11-SB05-018		
4251.2	17						
4250.2	18						
4249.2	19		No Recovery				
4248.2	20					CME	R=3.0/5.0 T=1441

ROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB05

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER: C11-SB05

ROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: S. Wrightson

SHEET 4 OF 4 SHEETS

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4248.2	20	SAME: SILT (ML) - Hard, slightly moist, mottled light reddish and gray, medium plastic	BZ = 0 HS = 0				Native soil
4247.2	21						
4246.2	22		No Recovery			CME	Refusal using 5' CME R=1.9/2.0 T=1450
		With increasing sand	BZ = 0 HS = 0		C11-SB05-024	72	
4245.2	23					100	
4244.2	24		No Recovery			S2	R=1.8/2.0 T=1501
		Sandy SILT (ML) - Hard, dry, light reddish-gray, low plastic	HS = 0 BZ = 0			59	Native soil S2 = 2" splitspoon
4243.2	25					91	
4242.2	26		No Recovery			S2	R=1.6/2.0 T=1511
		Silty SAND (SM) - Dense, moist, reddish-brown, fine-grained	HS = 0 BZ = 0				Native soil
4241.2	27		No Recovery				
4240.2	28					S2	R=0.2/2.0 T=1523
		B.O.B. @ 28.0' bgs					
4239.2	29						
4238.2	30						

ROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB05

ENG FORM 5056A-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG

DISTRICT: AFCEE		HOLE NUMBER: C11-SB06
COMPANY NAME: *URS GROUP, INC.*	2. DRILLING CONTRACTOR: Atkins Engineering	SHEET 1 OF 4 SHEETS

3. PROJECT: CANNON AFB - SD-11 CMI	4. LOCATION: CANNON AFB, NEW MEXICO
5. NAME OF DRILLER: Mort Bates	6. MANUFACTURER'S DESIGNATION OF DRILL: Mobile 58
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 3-1/4" I.D. Hollow-Stem augers; 5' CME sampler; 2" I.D. Stainless Steel Split Spoon	8. HOLE LOCATION: 1,229,455.50N 808,370.75E
	9. SURFACE ELEVATION: 4268.72'
	10. DATE STARTED: 5/16/07 / 11. DATE COMPLETED: 5/16/07
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: Not Encountered
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA
14. TOTAL DEPTH OF HOLE: 25.5' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA

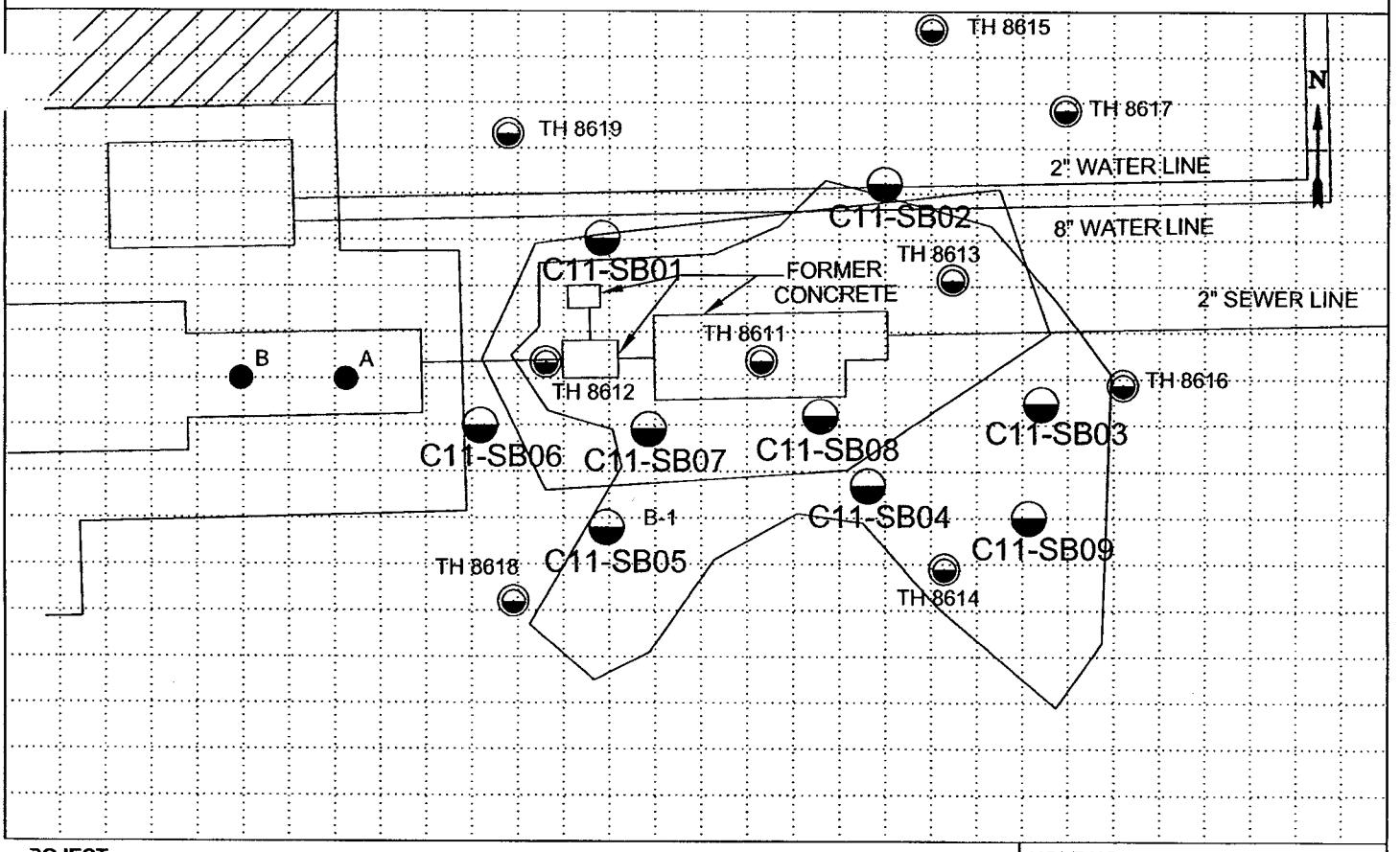
18. GEOTECHNICAL SAMPLES (TESTED)	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0			NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	X	X	TPHGRO	TPHDRO	SVOCs	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Bentonite chips			S. Wrightson

LOCATION SKETCH/COMMENTS

SCALE: 1" = 20'



PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB06

ENG FORM 5056-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB06	2	4

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: S. Wrightson

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4268.7	0	Silty CLAY (CL) - Medium stiff, dark brown, medium plastic, with gravel	Background=0 HS = 0 BZ = 0				Fill
							BZ = Breathing Zone HS = Headspace
4267.7	1						
4266.7	2						
			No Recovery				
4265.7	3						
4264.7	4						
							Gravel in shoe
4263.7	5					CME	R=0.5/5.0 T=0752
							R = Recovery/Run (in feet) CME = 5' sampler T = Time
			BZ = 0				
4262.7	6	SILT (ML) - Medium stiff, moist, light reddish-gray, low plastic, with trace sand			C11-SB06-008		Native soil
			HS = 0				
4261.7	7						
4260.7	8						
4259.7	9						
4258.7	10					CME	R=5.0/5.0 T=0759

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB06

ENG FORM 5056A-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB06	3 OF	4

ROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: S. Wrightson

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4258.7	10	SAME: SILT (ML) - Medium stiff, moist, light brown to tan, low plastic					Native soil
			BZ = 0				
4257.7	11						
			HS = 0				
4256.7	12						
4255.7	13	With increasing clay			C11-SB06-015		
4254.7	14						
4253.7	15					CME	R=5.0/5.0 T=0807
			BZ = 0				
4252.7	16						
		With increasing sand	HS = 0				
4251.7	17						
4250.7	18						
4249.7	19						
4248.7	20					CME	R=5.0/5.0 T=0820

ROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB06

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

PROJECT	INSPECTOR	HOLE NUMBER	SHEET	SHEETS
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	S. Wrightson	C11-SB06	4 OF	4

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4248.7	20	Clayey SILT (ML) - Medium stiff, moist, brown, low plastic	HS = 0 BZ = 0				Native soil
4247.7	21		No Recovery			S2	R=1.2/1.5 T=0830
					C11-SB06-024		S2 = 2" splitspoon
4246.7	22	Silty SAND (SM) - Soft, moist, light brown	BZ = 0 HS = 0				Native soil
4245.7	23					S2	R=2.0/2.0 T=0835
			HS = 0 BZ = 0				
4244.7	24		No Recovery				
4243.7	25					S2	R=0.3/2.0 T=0845
		B.O.B. @ 25.5' bgs					
4242.7	26						
4241.7	27						
4240.7	28						
4239.7	29						
4238.7	30						

PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB06

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG

DISTRICT: AFCEE	HOLE NUMBER: C11-SB07	
COMPANY NAME: *URS GROUP, INC.*	2. DRILLING CONTRACTOR: Atkins Engineering	SHEET 1 OF SHEETS 5
3. PROJECT: CANNON AFB - SD-11 CMI	4. LOCATION: CANNON AFB, NEW MEXICO	
5. NAME OF DRILLER: Mort Bates	6. MANUFACTURER'S DESIGNATION OF DRILL: Mobile 58	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 3-1/4" I.D. Hollow-Stem augers; 5' CME sampler; 2" I.D. Stainless Steel Split Spoon	8. HOLE LOCATION: 1,229,455.11N 808,388.99E	
	9. SURFACE ELEVATION: 4268.21'	
	10. DATE STARTED: 5/16/07	11. DATE COMPLETED: 5/16/07
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: Not Encountered	
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA	
14. TOTAL DEPTH OF HOLE: 34' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA	

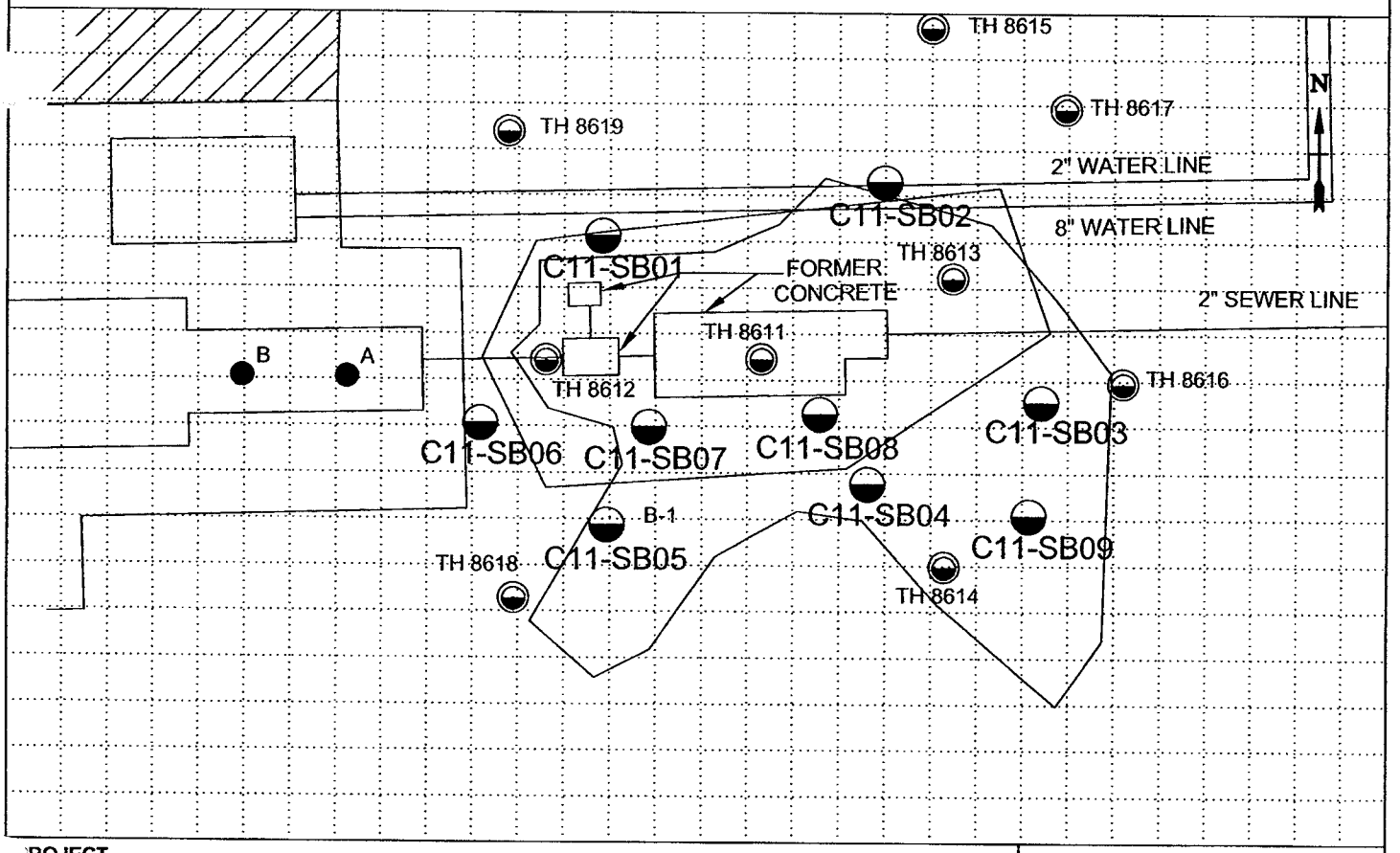
18. GEOTECHNICAL SAMPLES (TESTED)	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0			NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	X	X	TPHGRO	TPHDRO	SVOCs	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Bentonite chips			S. Wrightson

LOCATION SKETCH/COMMENTS

SCALE: 1" = 20'



PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB07

ENG FORM 5056-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB07	2 OF	5

PROJECT	INSPECTOR
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	S. Wrightson

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4268.2	0	Clayey SILT (ML) - Medium stiff, moist, low plastic, with gravel	Background = 0 HS = 886 BZ = 0				Fill BZ = Breathing Zone HS = Headspace
4267.2	1						
4266.2	2		No Recovery				
4265.2	3						
4264.2	4						
4263.2	5					CME	Gravel in shoe R=2.0/5.0 T=0940 R = Recovery/Run (in feet) CME = 5' sampler T = Time
		Becomes stiff	BZ = 0 HS = 172				
4262.2	6	With hydrocarbon (black) staining on gravel from 6.0' - 8.0'					Staining and product odor from 6'-8'
4261.2	7						
4260.2	8		No Recovery				
4259.2	9						
4258.2	10					CME	R=3.0/5.0 T=0944

PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB07

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

ROJECT	INSPECTOR	HOLE NUMBER	SHEET	SHEETS
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	S. Wrightson	C11-SB07	3 OF	5

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4258.2	10	SILT (ML) - Very stiff, dry, light gray, low plastic					Fill
			BZ = 0				
4257.2	11						
			HS = 0				
4256.2	12						
4255.2	13	Becomes soft, moist, reddish-brown, medium plastic					Fill
4254.2	14						
			No Recovery				
4253.2	15					CME	R=4.5/5.0 T=0955
			BZ = 0				
4252.2	16	Sandy SILT (ML) - Moist, reddish-brown, low plastic, fine-grained			C11-SB07-018		Native soil
			HS = 0				
4251.2	17						
4250.2	18						
4249.2	19	Becomes light gray, with increasing sand					
4248.2	20					CME	R=5.0/5.0 T=1004

ROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB07

ENG FORM 5056A-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB07	4 OF	5

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: S. Wrightson

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4248.2	20	SAME: Sandy SILT (ML) - Stiff, dry, light reddish-brown, low plastic, with some caliche nodules	BZ = 0 HS = 0			37	Native soil
4247.2	21					51	
		Silty SAND (SM) - Very dense, dry, light reddish-brown, fine-grained					S2 = 2" splitspoon Native soil
4246.2	22					S2	R=2.0/2.0 T=1008
			BZ = 0 HS = 0		C11-SB07-024	74	
4245.2	23					78	
4244.2	24					S2	R=2.0/2.0 T=1015
			No Recovery				
4243.2	25						Cleaned hole to 25' with 5' CME
4242.2	26					S2	R=0/2.0 T=1050
		Becomes dense, moist, light reddish-brown	BZ = 0 HS = 0				
4241.2	27						
4240.2	28					S2	R=2.0/2.0 T=1115
		Becomes very dense, well cemented				S2	R=0.3/0.3 T=1130
							S2 refusal, drill through caliche to 32' with center bit
4239.2	29		Drilled out				
4238.2	30						

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB07

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB07	5	5

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: S. Wrightson

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4238.2	30	Silty SAND (SM) - Very dense, dry, light reddish-brown, fine-grained					Native soil
4237.2	31		Drilled out to 32'				
4236.2	32	Becomes medium dense, moist, light brown to tan			C11-SB07-034		
4235.2	33		BZ = 0 HS = 0				
4234.2	34					S2	R=2.0/2.0 T=1145
		B.O.B. @ 34.0' bgs					
4233.2	35						
4232.2	36						
4231.2	37						
4230.2	38						
4229.2	39						
4228.2	40						

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB07

ENG FORM 5056A-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG

DISTRICT: AFCEE		HOLE NUMBER: C11-SB08
1. COMPANY NAME: *URS GROUP, INC.*	2. DRILLING CONTRACTOR: Atkins Engineering	SHEET 1 OF 6 SHEETS
3. PROJECT: CANNON AFB - SD-11 CMI	4. LOCATION: CANNON AFB, NEW MEXICO	
5. NAME OF DRILLER: Mort Bates	6. MANUFACTURER'S DESIGNATION OF DRILL: Mobile 58	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 3-1/4" I.D. Hollow-Stem augers; 5' CME sampler; 2" I.D. Stainless Steel Split Spoon	8. HOLE LOCATION: 1,229,456.51N 808,407.64E	
	9. SURFACE ELEVATION: 4267.92'	
	10. DATE STARTED: 5/16/07	11. DATE COMPLETED: 5/16/07
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: Not Encountered	
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA	
14. TOTAL DEPTH OF HOLE: 50' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA	

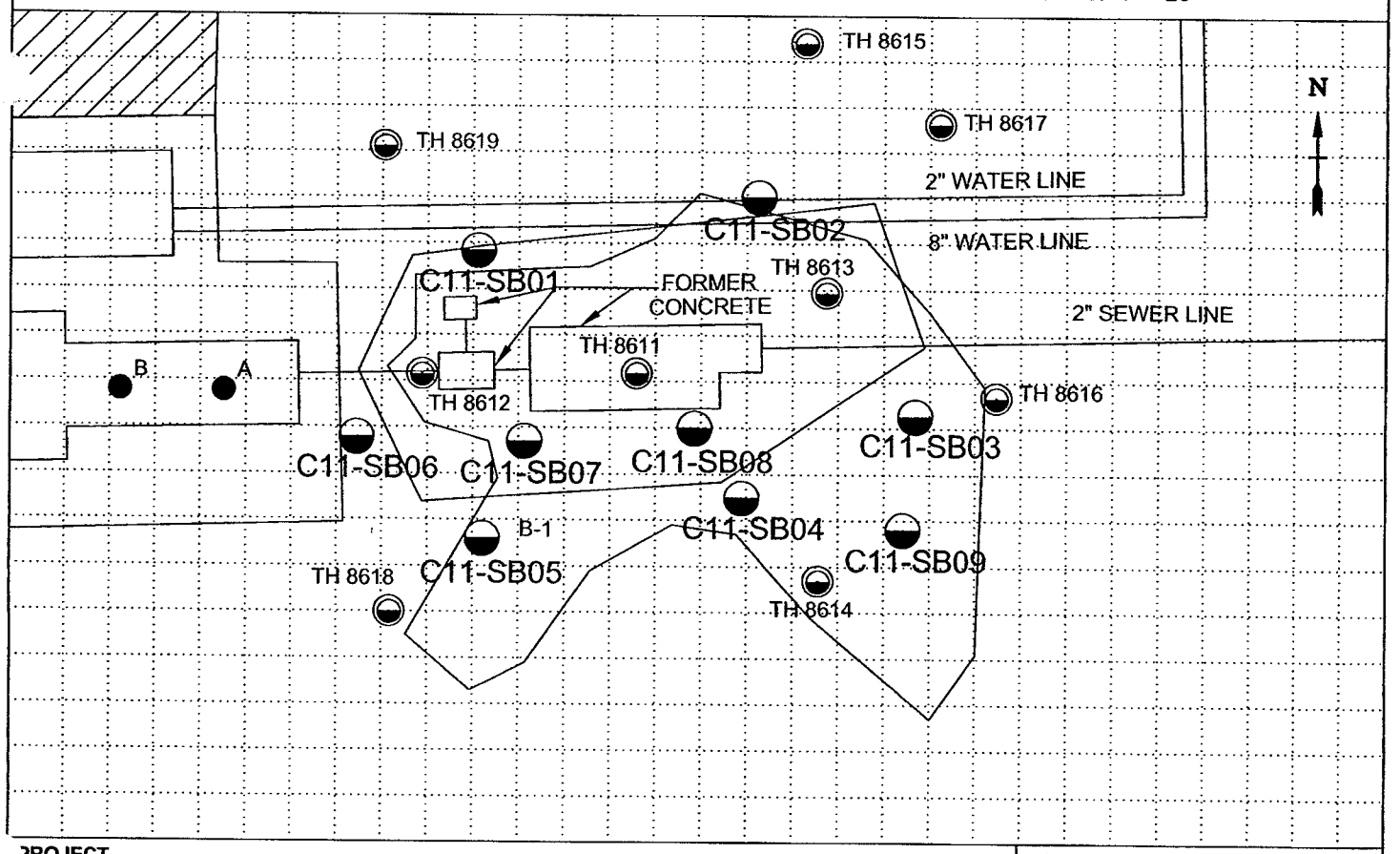
18. GEOTECHNICAL SAMPLES (TESTED)	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0			NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
6	X	X	TPHGRO	TPHDRO	SVOCs	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Bentonite chips			S. Wrightson

LOCATION SKETCH/COMMENTS

SCALE: 1" = 20'



PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB08

ENG FORM 5056-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB08	2	6

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: S. Wrightson

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4267.9	0	Silty CLAY (CL) - Medium stiff, brown, medium plastic, with sand, gravel, and asphalt	Background = 0				Fill BZ = Breathing Zone HS = Headspace
4266.9	1		BZ = 0 HS = 72				
4265.9	2						
4264.9	3						
4263.9	4		No Recovery				
		With staining and slight hydrocarbon odor					
4262.9	5					CME	R=3.9/5.0 T=1230 R = Recovery/Run (in feet) CME = 5' sampler T = Time
4261.9	6	Becomes stiff, moist, dark brown, with extensive staining and hydrocarbon odor	BZ = 0 HS = 615				
4260.9	7						
4259.9	8						
4258.9	9		No Recovery				
4257.9	10					CME	R=3.0/5.0 T=1238

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB08

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB08	3	6

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: S. Wrightson

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4257.9	10	SAME: Silty CLAY (CL) - Medium stiff, moist, dark brown, with gravel,extensive staining, and hydrocarbon odor	BZ = 0				Fill
4256.9	11		HS = 422				
4255.9	12						
4254.9	13						
4253.9	14						
4252.9	15					CME	R=5.0/5.0 T=1250
		Silty SAND (SM) - Medium dense, moist, mottled brown to gray, with calcareous nodules and fragments, with extensive hydrocarbon staining and product odor to 17.0' bgs	BZ = 0		C11-SB08-017 plus C11-SB08-217 (duplicate)		Native soil
4251.9	16		HS = 1845				
4250.9	17						
4249.9	18					CME	R=3.0/3.0 T=1302
		Becomes dry, fine-grained, with hydrocarbon staining and product odor	BZ = 0 HS = 2730			54	
4248.9	19					65	
4247.9	20					S2	S2 = 2" splitspoon R=2.0/2.0 T=1306

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB08

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB08	4	6

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

INSPECTOR: S. Wrightson

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4247.9	20	SAME: Silty SAND (SM) - Medium dense, dry, brown to light gray, with hydrocarbon staining and product odor	HS = 1749 BZ = 0			21	Native soil
4246.9	21		No Recovery			22	
4245.9	22	Becomes dense, light gray, with strong product odor	HS = 2285 BZ = 0		C11-SB08-024	S2	R=1.0/2.0 T=1313
4244.9	23		HS = 2791 BZ = 0			S2	R=1.0/1.0 T=1324
4243.9	24					S2	R=1.0/1.0 T=1333
4242.9	25		Drilled out				Hard drilling Drill through tight zone then sample Drilled out to 28'
4241.9	26						
4240.9	27						
4239.9	28	With caliche nodules, product odor, and no staining	BZ = 0 HS = 2852		C11-SB08-030	62	
4238.9	29					68	
4237.9	30		No Recovery			S2	R=1.8/2.0 T=1358

PROJECT: CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO

HOLE NO. C11-SB08

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB08	5 OF	6

PROJECT	INSPECTOR
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	S. Wrightson

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4237.9	30	SAME: Silty SAND (SM) - Medium dense, dry, light gray to reddish-gray, fine-grained, with decreasing silt, product odor, and no staining	BZ = 0 HS = 2830			56	Native soil
4236.9	31					100/5" S2	R=1.4/1.4 T=1410
4235.9	32		Drilled out				Hard drilling Drill through tight zone to 33.0' bgs
4234.9	33	Becomes very dense,light gray, cemented, with fine gravel	BZ = 0 HS = 2835				
			No Recovery			100 S2	R=0.5/1.0 T=1424
4233.9	34		BZ = 0 HS = 1759		C11-SB08-036 plus MS/MSD	86	
4232.9	35					60	
4231.9	36					S2	R=2.0/2.0 T=1430 Drilled out to 40.0' bgs
4230.9	37						
4229.9	38		Drilled out				
4228.9	39						
4227.9	40						

ROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB08

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB08	6 OF	6

PROJECT	INSPECTOR
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	S. Wrightson

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4227.9	40	SAME: Silty SAND (SM) - Very dense, dry, finely laminated light gray, fine-grained, with product odor	BZ = 0 HS = 772		C11-SB08-042	86	Native soil
4226.9	41					100	
4225.9	42		No Recovery			S2	R=1.8/2.0 T=1500 Drilled out to 48.0' bgs
4224.9	43		Drilled out				
4223.9	44						
4222.9	45						
4221.9	46						Drilling Break 46'-47'
4220.9	47						Drilling hard
4219.9	48	Becomes loose, moist, reddish-gray, with calcareous concretions and faint product odor	BZ = 0 HS = 0		C11-SB08-050	35	
4218.9	49					62	
4217.9	50	B.O.B. @ 50.0' bgs				S2	R=2.0/2.0 T=1534

PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB08

HTRW DRILLING LOG

DISTRICT: AFCEE		HOLE NUMBER: C11-SB09
COMPANY NAME: *URS GROUP, INC.*	2. DRILLING CONTRACTOR: Atkins Engineering	SHEET 1 OF 4 SHEETS

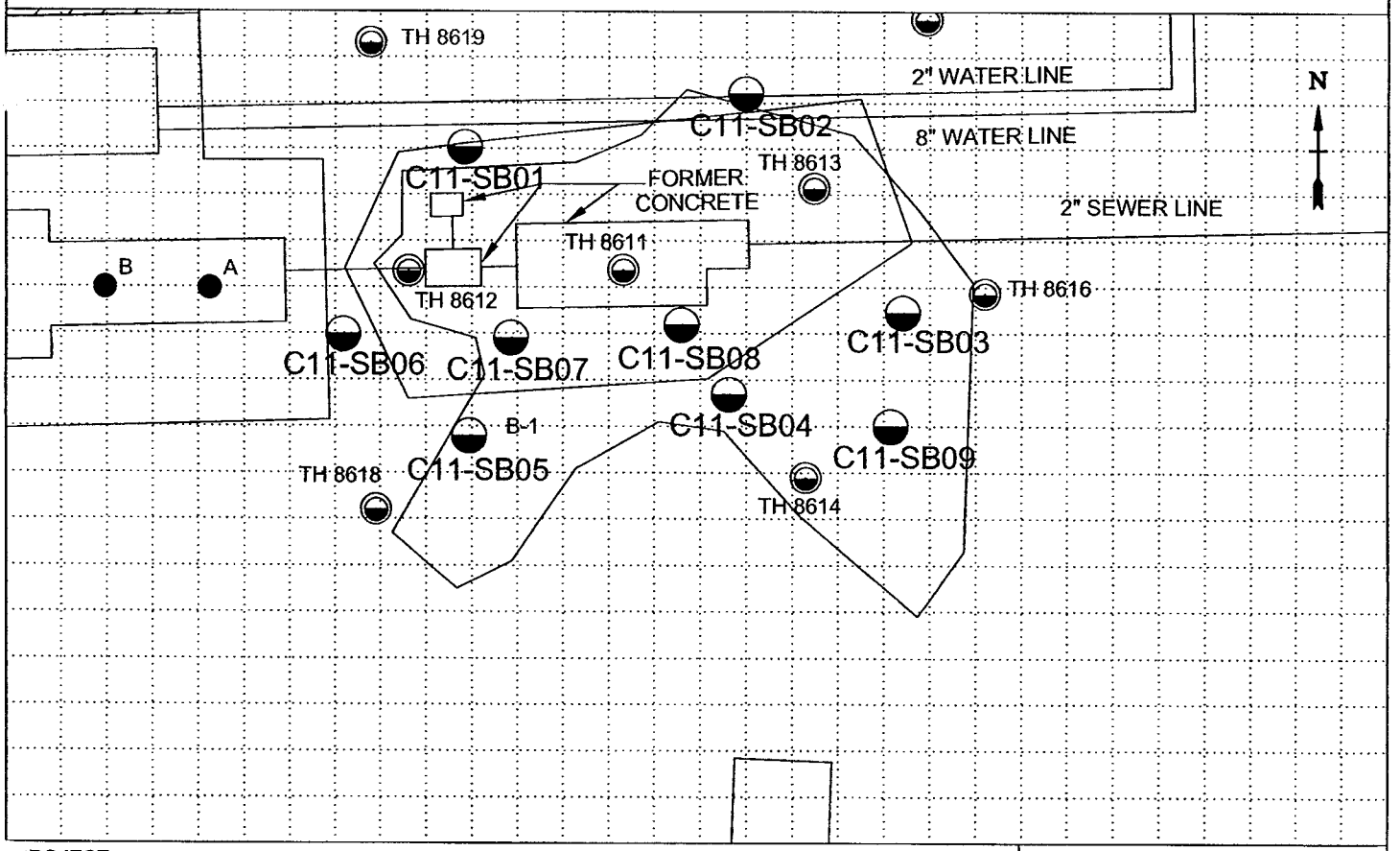
3. PROJECT: CANNON AFB - SD-11 CMI	4. LOCATION: CANNON AFB, NEW MEXICO
5. NAME OF DRILLER: Mort Bates	6. MANUFACTURER'S DESIGNATION OF DRILL: Mobile 58
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 3-1/4" I.D. Hollow-Stem augers; 5' CME sampler; 2" I.D. Stainless Steel Split Spoon	8. HOLE LOCATION: 1,229,445.52N 808,430.05E
	9. SURFACE ELEVATION: 4267.91'
	10. DATE STARTED: 5/17/07 / 11. DATE COMPLETED: 5/17/07
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: Not Encountered
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA
14. TOTAL DEPTH OF HOLE: 25' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA

18. GEOTECHNICAL SAMPLES (TESTED)	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0			NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	X	X	TPHGRO	TPHDRO	SVOCs	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Bentonite chips			S. Wrightson

LOCATION SKETCH/COMMENTS SCALE: 1" = 20'



PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB09

ENG FORM 5056-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	
C11-SB09	

PROJECT	INSPECTOR	SHEET	SHEETS
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	S. Wrightson	2 OF	4

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4267.9	0	Clayey SILT (ML) - Medium stiff, dry, dark brown, mixed with gravel	Background = 0 BZ = 0				Fill BZ = Breathing Zone HS = Headspace
4266.9	1		HS = 0				
4265.9	2						
4264.9	3						
4263.9	4		No Recovery				
4262.9	5					CME	R=3.7/5.0 T=0836 R = Recovery/Run (in feet) CME = 5' sampler T = Time
4261.9	6		BZ = 0 HS = 0				
4260.9	7						
4259.9	8						
4258.9	9		No Recovery				
4257.9	10	Native - (See next page).				CME	Native soil R=3.5/5.0 T=0850

PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB09

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

PROJECT	INSPECTOR	HOLE NUMBER	SHEET	SHEETS
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	S. Wrightson	C11-SB09	3	4

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4257.9	10	Silty CLAY (CL) - Soft, moist, tan to yellowish-brown, low plastic			C11-SB09-012		Native soil
		SILT (ML) - Medium stiff, dry, mottled tan to yellowish-brown, low plastic	BZ = 0				Native soil
4256.9	11						
			HS = 0				
4255.9	12						
		Becomes tan					
4254.9	13						
4253.9	14						
4252.9	15					CME	R=5.0/5.0 T=0857
		Becomes medium stiff, mottled tan to yellowish-brown			C11-SB09-017		
			BZ = 0				
4251.9	16						
			HS = 0				
4250.9	17						
		Becomes sandy, hard, dry, reddish-gray, low plastic, fine-grained					Native soil
4249.9	18						
4248.9	19						
4247.9	20					CME	R=5.0/5.0 T=0909

PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB09

ENG FORM 5056A-R, AUG 94

(Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER	SHEET	SHEETS
C11-SB09	4	4

PROJECT	INSPECTOR
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	S. Wrightson

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
4247.9	20	SAME: Sandy SILT (ML) - Hard, dry, mottled red and brown, with calcareous nodules (caliche)	HS = 0 BZ = 0				Native soil
4246.9	21					S2	R=1.0/1.0 T=0915
			HS = 0 BZ = 0		C11-SB09-022	50	S2 = 2" splitspoon
4245.9	22					86	
			No Recovery		No Recovery		
4244.9	23					S2	R=1.2/2.0 T=0922
		Silty SAND (SM) - Very dense, dry, light gray, fine-grained, well cemented (calcareous)	HS = 0 BZ = 0			86	Native soil
4243.9	24					83	
			No Recovery				
4242.9	25					S2	R=1.6/2.0 T=0927
		B.O.B. @ 25.0' bgs					
4241.9	26						
4240.9	27						
4239.9	28						
4238.9	29						
4237.9	30						

PROJECT	HOLE NO.
CANNON AFB - SD-11 CMI CANNON AFB, NEW MEXICO	C11-SB09

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

A.2 Sample Collection Field Sheets (SCFSs)

URS-Omaha QC Checklist For Soil Sample Collection Field Sheets

Note: This checklist should be used to review individual Sample Collection Field sheet reviewed. However, only one checklist needs to be completed per project. Any SCFS with an identified discrepancy should be listed by sample ID on the checklist or an attached page with the item numbers needing correction(s).

Date 8-21-07
Project Name Cannon AFB CAIF.
Project Number 16169983.00500
Name of Detail Checker Ryan Mowan

Item Number	Item	Yes	No	NA
1	Are all appropriate spaces completed or marked Not Applicable (NA)?	X		
2	Is the project number correct?	X		
3	Does the sample ID correspond to the boring number?	X		
4	Do the sampling date and time match the sample summary table or log book?			X
5	Is the sample method listed?		X	
6	Is the sample media correct?	X		
7	Does the QA/QC sampling summary match the sample summary table or COCs?			X
8	Do the number and type of sample containers and analyses match the COCs or sample summary table?	X		
9	Are the PID measurements completed?	X		
10	Is the sample description complete, including a USCS classification?	X		

5. C11-SB08-42 has no depth recorded.
C11-SB09-012 has no method recorded.

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB01-010 BORING NO. SB01

DATE/TIME COLLECTED: 5-14-07 / 1423 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2" Split spoon / 10-12'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO)

SAMPLE QC DUPLICATE: YES (NO) SPLIT SAMPLE NO.

MS/MSD REQUESTED: YES (NO) DUPLICATE SAMPLE NO.

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background: Ø

Breathing zone: Ø

Boring: N/A

Headspace: Ø

SAMPLE DESCRIPTION

DEPTH: 10-12' DESCRIPTION: Sandy Silt (ML) - Soft, slightly moist, white and pinkish-tan mottled, low plastic, weakly cemented

GENERAL COMMENTS

Native Soil, No visible staining and no odor. Hit refusal, used 2" split spoon sample for 10 foot interval

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** **PROJECT NO. 16169983**

SAMPLE NO. C11-SB01-020 BORING NO. SB01

DATE/TIME COLLECTED: 5-14-07 / 1455 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 5" CME Sampler / 17-21'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4^0 C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4^0 C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4^0 C	TPH-DRO/SVOCs/Metals/Mercury
		(8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background ϕ

Breathing zone ϕ

Boring N/A

Headspace ϕ

SAMPLE DESCRIPTION

DEPTH: 17-21' DESCRIPTION: Silty Sand (SM) - Medium dense to dense Slightly moist to dry, light red, fine-grained, with silt and small pink cemented nodules

GENERAL COMMENTS

Native soil

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB01-024 BORING NO. SB01

DATE/TIME COLLECTED: 5-14-07 / 1515 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2" split spoon / 22-24'

SAMPLE MEDIA: SOIL SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES NO SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES NO DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES NO

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background ∅

Breathing zone ∅

Boring N/A

Headspace ∅

SAMPLE DESCRIPTION

DEPTH: 22-24' DESCRIPTION: Silty Sand (SM) - medium dense to dense, slightly moist to dry, light red, fine-grained, with silt and small pink cemented nodules, well-cemented caliche.

GENERAL COMMENTS

Hit refusal at 22 feet collected sample from 22-24' with 2" split spoon sampler.

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11 - SB02-007 BORING NO. SB02

DATE/TIME COLLECTED: 5-15-07 / 0745 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 5" Core Sampler / 5.3'-7.3'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background: Ø

Breathing zone: Ø

Boring: N/A

Headspace: Ø

SAMPLE DESCRIPTION

DEPTH: 5.3'-7.3' DESCRIPTION: Clayey Silt (ml) - Medium stiff, moist, pinkish-tan and tan mottled, low plastic

GENERAL COMMENTS

Native Soil

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** **PROJECT NO. 16169983**

SAMPLE NO. C11-SB02-013 BORING NO. SB02

DATE/TIME COLLECTED: 5-15-07/0754 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 5" Cage sampler / 11'-13'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4°C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4°C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4°C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background: ∅

Breathing zone: ∅

Boring: N/A

Headspace: ∅

SAMPLE DESCRIPTION

DEPTH: 11'-13' DESCRIPTION: Sandy Silt to Silty Sand (ML-SM) - Medium Stiff to medium dense, slightly moist, red, low plastic, fine-grained, with some well-cemented nodules

GENERAL COMMENTS

Native soil

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB02-019 BORING NO. SB02

DATE/TIME COLLECTED: 5-15-07/0809 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 5' Core Sampler 16.9-18.9'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: (YES) NO C11-SB02-019 MS/MSD/0809

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background ∅

Breathing zone ∅

Boring N/A

Headspace ∅

SAMPLE DESCRIPTION

DEPTH: 16.9-18.9' DESCRIPTION: Silty Sand (SM) - Loose, moist, pinish-tan grading to red, fine-grained, becomes slightly coarser.

GENERAL COMMENTS

Native Soil

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** **PROJECT NO. 16169983**

SAMPLE NO. CH-SB03-018 BORING NO. SB03

DATE/TIME COLLECTED: 5-15-07 / 1020 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 5" CME Sampler / 16.4'-18.4'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4^0 C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4^0 C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4^0 C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background: Ø

Breathing zone: Ø

Boring: N/A

Headspace: Ø

SAMPLE DESCRIPTION

DEPTH: 16.4'-18.4' DESCRIPTION: Silty Clay to Clayey Silt (CL-ML) - Soft to medium stiff, moist, light tan, with some iron staining, low plastic, with some weak cementation

GENERAL COMMENTS

Native Soil

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB03-023 BORING NO. SB03

DATE/TIME COLLECTED: 5-15-07 / 1028 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 5' Core Sampler / 20.5'-22.5'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury
		(8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background Ø

Breathing zone Ø

Boring N/A

Headspace 0.4 ppm

SAMPLE DESCRIPTION

DEPTH: 20.5-22.5' DESCRIPTION: Silty Sand (SM) - Medium dense, moist, light red, fine-grained.

GENERAL COMMENTS

Native soil

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB03-027 BORING NO. SB03

DATE/TIME COLLECTED: 5-15-07/1100 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2" split spoon / 25.5'-27.0'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4^0 C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4^0 C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4^0 C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background: ϕ

Breathing zone: ϕ

Boring: N/A

Headspace: 0.4 ppm

SAMPLE DESCRIPTION

DEPTH: 25.5'-27.0' DESCRIPTION: Sandy Silt (ML) - stiff, dry, light brown with tan cementation, low plastic, fine grained, becomes hard, well cemented.

GENERAL COMMENTS

Hit refusal, collected sample with 2" split spoon sampler.

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** **PROJECT NO. 16169983**

SAMPLE NO. C11-SB04-018 BORING NO. SB04

DATE/TIME COLLECTED: 5-15-07 / 1225 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 5' Cm5 Sampler / 16.1'-18.1'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: (YES) NO DUPLICATE SAMPLE NO. C11-SB04-218 / 1120

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4^0 C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4^0 C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4^0 C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background ∅

Breathing zone ∅

Boring N/A

Headspace 1.4 ppm

SAMPLE DESCRIPTION

DEPTH: 16.1'-18.1' DESCRIPTION: Silt (ML) - Medium Stiff, moist, light brown to tan, low plastic, with some cemented nodules and iron staining, becomes light reddish brown, with trace fine grained sand

GENERAL COMMENTS

Native soil.

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** **PROJECT NO.** **16169983**

SAMPLE NO. C11-SB04-025 BORING NO. SB04

DATE/TIME COLLECTED: 5-15-07 / 1240 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2" split spoon / 23'-25'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background: ∅

Breathing zone: ∅

Boring: N/A

Headspace: 35.5 ppm

SAMPLE DESCRIPTION

DEPTH: 23'-25' DESCRIPTION: Silty Sand (SM) - Medium dense to dense, dry reddish-brown to red, fine-grained, moderately cemented

GENERAL COMMENTS

Native soil. Collected sample with 2" split spoon sampler.

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB04-030 BORING NO. SB04

DATE/TIME COLLECTED: 5-15-07 / 1322 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2" split spoon / 28'-30'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury
		(8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background	Ø
Breathing zone	Ø
Boring	N/A
Headspace	47.1

SAMPLE DESCRIPTION

DEPTH: 28'-30' DESCRIPTION: Silty Sand (SM) - Medium dense to dense, dry, reddish-brown to red, fine-grained, moderately cemented to well cemented

GENERAL COMMENTS

Native soil. Collected sample with 2" split spoon sampler.

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB05-009 BORING NO. C11-SB05

DATE/TIME COLLECTED: 5/15/07 1405 / 1600 Dup PERSONNEL: M.S, S.W

SAMPLE METHOD / DEPTH: 5' ~~Grab Sample~~ 6.5 - 8.5'

SAMPLE MEDIA: SOIL SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES NO SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES NO DUPLICATE SAMPLE NO. C11 SB05-209

MS/MSD REQUESTED: YES NO

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury
		(8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background Ø

Breathing zone Ø

Boring NA

Headspace Ø

SAMPLE DESCRIPTION

DEPTH: 6.5 - 8.5 DESCRIPTION: Silt (ml) lite reddish gray, medium stiff, homogenous - v.f. grained sand moist.

GENERAL COMMENTS

Native soil.

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB05-018 BORING NO. C11 SB05

DATE/TIME COLLECTED: 5/15/07- 1441 PERSONNEL: M.S (S.W.)

SAMPLE METHOD / DEPTH: 5' Core Sampler / 16-18'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background Ø

Breathing zone Ø

Boring NA

Headspace Ø

SAMPLE DESCRIPTION

DEPTH: 16-18' DESCRIPTION: Silt (ml) very stiff, dry mottled- reddish to gray- low plasticity calcareous.

GENERAL COMMENTS

Native Soil

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB05-024 BORING NO. C11-SB05

DATE/TIME COLLECTED: 5/15/07 1501 PERSONNEL: M.S. (S.W)

SAMPLE METHOD / DEPTH: 2" split spoon 22-24'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4^0 C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4^0 C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4^0 C	TPH-DRO/SVOCs/Metals/Mercury
		(8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background Ø

Breathing zone Ø

Boring NA

Headspace Ø

SAMPLE DESCRIPTION

DEPTH: 22-24 DESCRIPTION: Sandy silt (ml) hard dry, homogenous, light reddish gray low plasticity.

GENERAL COMMENTS

Native Soil. Collected sample with 2" split spoon sampler.

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** **PROJECT NO. 16169983**

SAMPLE NO. C11-SB06-008 BORING NO. C11-SBØ6

DATE/TIME COLLECTED: 5/16/07 0959 PERSONNEL: M.S., S.W

SAMPLE METHOD / DEPTH: 6-8' CME 5' Sampler

SAMPLE MEDIA: SOIL SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES NO SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES NO DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES NO

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4^0 C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4^0 C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4^0 C	TPH-DRO/SVOCs/Metals/Mercury
		(8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background Ø

Breathing zone Ø

Boring NA

Headspace Ø

SAMPLE DESCRIPTION

DEPTH: 6-8' DESCRIPTION: Silt (ML) ~~Slightly Sandy~~ Some Sand, mod stiff, lt reddish gray - moist, low plasticity

GENERAL COMMENTS

Native Soil.

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** **PROJECT NO.** 16169983

SAMPLE NO. C11- SB06 -015 BORING NO. C11 - SB06

DATE/TIME COLLECTED: 5/15/07 - 0807 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 13-15 CME 5' Sampler

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background	Ø
Breathing zone	Ø
Boring	NA
Headspace	Ø

SAMPLE DESCRIPTION

DEPTH: 13- 15 DESCRIPTION: clayey SiLt(ml) stiff, lightgray to tan, moist calicle nodules. low plasticity dry.

GENERAL COMMENTS

Native Soil

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** **PROJECT NO. 16169983**

SAMPLE NO. C11-SB06-024 BORING NO. C11-SB06

DATE/TIME COLLECTED: 5/16/07 - 0835 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2" splitspoon 22-24

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background 0

Breathing zone 0

Boring NA

Headspace Ø

SAMPLE DESCRIPTION

DEPTH: 22-24' DESCRIPTION: silty Sand (Sm) soft, light Brown, slightly moist

GENERAL COMMENTS

Native soil. Sample collected with 2" split spoon sampler.

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11- SB07 - 018 BORING NO. C11- SB07

DATE/TIME COLLECTED: 5/16/07 ~~0900~~ SW 1004 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 5' CME Sampler / 16-18'

SAMPLE MEDIA: SOIL SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: (YES) NO DUPLICATE SAMPLE NO. C11-SB07-218 / 0900

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4^0 C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4^0 C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4^0 C	TPH-DRO/SVOCs/Metals/Mercury
		(8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background Ø

Breathing zone Ø

Boring NA

Headspace Ø

SAMPLE DESCRIPTION

DEPTH: 16-18' DESCRIPTION: Sandy Silt (ml) reddish brown, moist, low plasticity [Native Soil] - Sand - v. fine grained.

GENERAL COMMENTS

Native Soil.

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11- SB07- 024 BORING NO. C11SB-07

DATE/TIME COLLECTED: 5/16/07- 1015 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2' Split Spoon - 22-24

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background Ø

Breathing zone Ø

Boring NA

Headspace Ø

SAMPLE DESCRIPTION

DEPTH: 22-24 DESCRIPTION: Silty Sand (Sm) V. dense, ~~moist~~ dry reddish brown - V. fine grained sand.

GENERAL COMMENTS

Native Soil

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** **PROJECT NO. 16169983**

SAMPLE NO. C-11- SB07- 034 BORING NO. C11-SB 07

DATE/TIME COLLECTED: 5/16/07 1145 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2' Split Spoon Sampler - / 32-34'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background Ø

Breathing zone Ø

Boring NA

Headspace Ø

SAMPLE DESCRIPTION

DEPTH: 32-34' DESCRIPTION: Silty Sand (Sm) medium dense, slightly moist, light brown to tan, v. fine grained homogeneous

GENERAL COMMENTS

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** **PROJECT NO. 16169983**

SAMPLE NO. C11 SB08- 017 BORING NO. C11- SB08

DATE/TIME COLLECTED: 5/16/07 1302 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: CME 5' Sampler - 15-17

SAMPLE MEDIA: SOIL SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: (YES) NO DUPLICATE SAMPLE NO. C11 SB08 217 / ~~0700~~ 1220

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background	Ø
Breathing zone	Ø
Boring	NA
Headspace	1848 ppm

SAMPLE DESCRIPTION

DEPTH: 15-17' DESCRIPTION: Silty Sand (Sm) medium dense- slightly moist, mottled brown to gray w/ calcareous nodules + fragments extensive staining + product odor.

GENERAL COMMENTS

- Noted staining + product odor in sample -

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11 SB08 024 BORING NO. C11-SB08

DATE/TIME COLLECTED: 5-16-07 - 1333 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2' split spoon - 22-24 *

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background Ø

Breathing zone Ø

Boring NA

Headspace 2791

SAMPLE DESCRIPTION

DEPTH: 22-24' DESCRIPTION: Silty Sand (SM) dense, dry, light gray, Strong Product Odor.

GENERAL COMMENTS * Sample collected from 2 - 1' runs from 22-23 + 23-24 VOCs, collected from 23-24 feet + TPH DRO, SVOCs + metals were composited from ~~22-24'~~ 22-23' + 23-24'. + TPH GRO

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB08-030 BORING NO. SB08

DATE/TIME COLLECTED: 5-16-07 / 1358 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2" Split Spoon / 28-30'

SAMPLE MEDIA: (SOIL) / SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO)

SAMPLE QC DUPLICATE: YES (NO) SPLIT SAMPLE NO.

MS/MSD REQUESTED: YES (NO) DUPLICATE SAMPLE NO.

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background ∅

Breathing zone ∅

Boring N/A

Headspace 2852 ppm

SAMPLE DESCRIPTION

DEPTH: 28-30' DESCRIPTION: Silty Sand (SM) – Medium dense, dry, brown to light gray, ~~with hydrocarbon staining~~ ms ~~and~~ no product odor, no staining with Caliche nodules.

GENERAL COMMENTS

Hard drilling, collected sample with 2" split spoon sampler.

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11- SB08- 036 BORING NO. C11- SB08

DATE/TIME COLLECTED: 5/16/07- 1430 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2' split spoon 34-36'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: (YES) NO C11-SB08-036 MS/MSD/1430

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury
		(8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background Ø

Breathing zone Ø

Boring NA

Headspace 1759

SAMPLE DESCRIPTION

DEPTH: 34-36 DESCRIPTION: Silty Sand (SM) very dense, cemented dry - light gray - fine grained - Product odor.

GENERAL COMMENTS

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** **PROJECT NO. 16169983**

SAMPLE NO. C11-SB08-042 BORING NO. C11-SB08

DATE/TIME COLLECTED: 5/16/07 1500 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2' Split Spoon / 40-42'

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4^0 C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4^0 C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4^0 C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background: Ø

Breathing zone: Ø

Boring: NA

Headspace: 722 ppm

SAMPLE DESCRIPTION

DEPTH: 40-42' DESCRIPTION: Silty Sand (SM) very dense, dry, finely laminated, lite gray, v fine to fine grained, slight Product odor, no visible staining.

GENERAL COMMENTS

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB08-050 BORING NO. C11-SB08

DATE/TIME COLLECTED: 5/16/07 - 1534 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 2' Split Spoon - 48-50

SAMPLE MEDIA: SOIL SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES NO SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES NO DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES NO

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4^0 C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4^0 C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4^0 C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background Ø

Breathing zone Ø

Boring NA

Headspace Ø

SAMPLE DESCRIPTION

DEPTH: 48-50 DESCRIPTION: Silty Sand (SM) Loose reddish gray - moist V. fine to fine grained calcareous concretions, faint Product odor - no visible Staining.

GENERAL COMMENTS

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB09 -012 BORING NO. C11-SB09

DATE/TIME COLLECTED: 5/17/07 - 0857 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 10-12 5' CmE Sampler

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4^0 C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4^0 C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4^0 C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background	0
Breathing zone	0
Boring	NA
Headspace	0

SAMPLE DESCRIPTION

DEPTH: 10-11 DESCRIPTION: silty Clay (cl) soft moist, tan to yellow brown to low plasticity.

11-12 silt (ml) mod. stiff. tan to yellow brown mottled, dry, low plasticity No Petrol odor.

GENERAL COMMENTS

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB09-~~012~~ SW 017 BORING NO. C11-SB09

DATE/TIME COLLECTED: 5/17/07 0909 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 15-17 5' Core Sampler

SAMPLE MEDIA: (SOIL) SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES (NO) SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES (NO) DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES (NO)

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury
		(8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background Ø

Breathing zone Ø

Boring NA

Headspace Ø

SAMPLE DESCRIPTION

DEPTH: 15-17' DESCRIPTION: Silt(ml) med stiff tan to yellow brown- mottled dry- low plasticity. No Prod odor No visible staining

GENERAL COMMENTS

URS

SOIL SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: **SD-11 Former Jet Engine Test Cell** PROJECT NO. **16169983**

SAMPLE NO. C11-SB09-022 BORING NO. C11-SB09

DATE/TIME COLLECTED: 5/17/09 - 0922 PERSONNEL: M.S., S.W.

SAMPLE METHOD / DEPTH: 21-22 feet: 2' split spoon

SAMPLE MEDIA: SOIL SEDIMENT SLUDGE

SAMPLE QA SPLIT: YES NO SPLIT SAMPLE NO.

SAMPLE QC DUPLICATE: YES NO DUPLICATE SAMPLE NO.

MS/MSD REQUESTED: YES NO

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
1 preweighed VOA vials with methanol	4° C	VOCs/TPH-GRO (8260B/8015B)
2 preweighed VOA vials with water	4° C	VOCs/TPH-GRO (8260B/8015B)
1 8 oz. wide mouth glass jars	4° C	TPH-DRO/SVOCs/Metals/Mercury (8015B/8270C/6010B/7471A)

OVA MEASUREMENTS

Background: Ø

Breathing zone: Ø

Boring: NA

Headspace: Ø

SAMPLE DESCRIPTION

DEPTH: 21-22 DESCRIPTION: Sand, Silt (ml) hard, well cemented, [calcareous] no plasticity, Sand, V. fine grained, Dry - no staining, no product odor.

GENERAL COMMENTS

URS

APPENDIX B

Corrective Measures Investigation Analytical Data, Data Reviews, Qualified Data Table, and Chains of Custody (CoCs)

B.1 Analytical Data

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB01-010				C11-SB01-020				C11-SB01-024			
DATE COLLECTED			May 14, 2007				May 14, 2007				May 14, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,1,2-Tetrachloroethane	ND	0 / 30	<	0.7	3	U	<	0.7	3	U	<	0.7	3	U
1,1,1-Trichloroethane	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
1,1,2,2-Tetrachloroethane	ND	0 / 30	<	1.4	3	U	<	1.4	3	U	<	1.4	3	U
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	5	U
1,1-Dichloroethane	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	5	U
1,1-Dichloroethene	ND	0 / 30	<	0.9	7	U	<	0.9	7	U	<	0.9	7	U
1,1-Dichloropropene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
1,2,3-Trichlorobenzene	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	5	U
1,2,3-Trichloropropane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	5	U
1,2,4-Trichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,2-Dibromo-3-Chloropropane	ND	0 / 30	<	2	10	U	<	2	10	U	<	2	10	U
1,2-Dibromoethane (Ethylene Dibromide)	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
1,2-Dichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
1,2-Dichloroethane	ND	0 / 30	<	0.1	3	U	<	0.1	3	U	<	0.1	3	U
1,2-Dichloroethene (cis)	ND	0 / 30	<	0.25	6	U	<	0.25	6	U	<	0.25	5	U
1,2-Dichloroethene (trans)	ND	0 / 30	<	0.39	6	U	<	0.39	6	U	<	0.39	5	U
1,2-Dichloropropane	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
1,3-Dichlorobenzene	ND	0 / 30	<	0.8	7	U	<	0.8	7	U	<	0.8	7	U
1,3-Dichloropropane	ND	0 / 30	<	0.7	2	U	<	0.7	2	U	<	0.7	2	U
1,4-Dichlorobenzene	ND	0 / 30	<	0.8	2	U	<	0.8	2	U	<	0.8	2	U
2,2-Dichloropropane	ND	0 / 30	<	0.76	6	U	<	0.76	6	U	<	0.76	5	U
2-Chlorotoluene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
4-Chlorotoluene	ND	0 / 30	<	1.2	6	U	<	1.2	6	U	<	1.2	5	U
4-Methyl-2-Pentanone (MIBK)	ND	0 / 30	<	2	20	U	<	2	20	U	<	2	20	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	<	3.2	60	U
Benzene	ND	0 / 30	<	0.72	2	U	<	0.72	2	U	<	0.72	2	U
Bromobenzene	ND	0 / 30	<	0.86	6	U	<	0.86	6	U	<	0.86	5	U
Bromochloromethane	ND	0 / 30	<	0.92	6	U	<	0.92	6	U	<	0.92	5	U
Bromodichloromethane	ND	0 / 30	<	0.78	2	U	<	0.78	2	U	<	0.78	2	U
Bromoform	ND	0 / 30	<	0.91	7	U	<	0.91	7	U	<	0.91	7	U
Bromomethane	ND	0 / 30	<	1.8	10	U	<	1.8	10	U	<	1.8	10	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB01-010				C11-SB01-020				C11-SB01-024			
DATE COLLECTED			May 14, 2007				May 14, 2007				May 14, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Carbon Tetrachloride	ND	0 / 30	<	0.9	6	U	<	0.9	6	U	<	0.9	5	U
Chlorobenzene	ND	0 / 30	<	0.56	2	U	<	0.56	2	U	<	0.56	2	U
Chloroethane	ND	0 / 30	<	1.8	6	U	<	1.8	6	U	<	1.8	5	U
Chloroform	ND	0 / 30	<	1.6	2	U	<	1.6	2	U	<	1.6	2	U
Chloromethane	ND	0 / 30	<	2.1	6	U	<	2.1	6	U	<	2.1	5	U
cis-1,3-Dichloropropene	ND	0 / 30	<	0.53	3	U	<	0.53	3	U	<	0.53	3	U
Dibromochloromethane	ND	0 / 30	<	0.97	3	U	<	0.97	3	U	<	0.97	3	U
Dibromomethane	ND	0 / 30	<	0.74	6	U	<	0.74	6	U	<	0.74	5	U
Dichlorodifluoromethane	ND	0 / 30	<	0.94	6	U	<	0.94	6	U	<	0.94	5	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	6	U	<	0.73	5	U
Hexachlorobutadiene	ND	0 / 30	<	0.68	3	U	<	0.68	3	U	<	0.68	5	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	6	U	<	1.3	5	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	6	U	<	0.49	5	U
Methyl Ethyl Ketone (2-Butanone)	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methyl t-Butyl Ether	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methylene Chloride	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
Styrene	ND	0 / 30	<	0.8	6	U	<	0.8	6	U	<	0.8	5	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
Tetrachloroethene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
Toluene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
trans-1,3-Dichloropropene	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
Trichloroethene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
Trichlorofluoromethane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	5	U
Vinyl Chloride	ND	0 / 30	<	1.7	6	U	<	1.7	6	U	<	1.7	5	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2,2-Oxybis(1-chloro)propane	ND	0 / 30	<	47.3	370	U	<	47.3	370	U	<	47.3	360	U
2,4,5-Trichlorophenol	ND	0 / 30	<	60.1	370	U	<	60.1	370	U	<	60.1	360	U
2,4,6-Trichlorophenol	ND	0 / 30	<	48.3	370	U	<	48.3	370	U	<	48.3	360	U
2,4-Dichlorophenol	ND	0 / 30	<	50.5	370	U	<	50.5	370	U	<	50.5	360	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB01-010				C11-SB01-020				C11-SB01-024			
DATE COLLECTED			May 14, 2007				May 14, 2007				May 14, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
2,4-Dimethylphenol	ND	0 / 30	<	43.9	370	U	<	43.9	370	U	<	43.9	360	U
2,4-Dinitrophenol	ND	0 / 30	<	53.7	740	U	<	53.7	740	U	<	53.7	730	U
2,4-Dinitrotoluene	ND	0 / 30	<	63.8	370	U	<	63.8	370	U	<	63.8	360	U
2,6-Dinitrotoluene	ND	0 / 30	<	60.6	370	U	<	60.6	370	U	<	60.6	360	U
2-Chloronaphthalene	ND	0 / 30	<	52.4	370	U	<	52.4	370	U	<	52.4	360	U
2-Chlorophenol	ND	0 / 30	<	44.3	370	U	<	44.3	370	U	<	44.3	360	U
2-Methylnaphthalene	1000	2 / 30	<	50.4	370	U	<	50.4	370	U	<	50.4	360	U
2-Methylphenol (o-cresol)	ND	0 / 30	<	45.2	370	U	<	45.2	370	U	<	45.2	360	U
2-Nitroaniline	ND	0 / 30	<	62.4	740	U	<	62.4	740	U	<	62.4	730	U
2-Nitrophenol	ND	0 / 30	<	47.8	370	U	<	47.8	370	U	<	47.8	360	U
3,3-Dichlorobenzidine	ND	0 / 30	<	56.3	740	U	<	56.3	740	U	<	56.3	730	U
3-Nitroaniline	ND	0 / 30	<	61.1	740	U	<	61.1	740	U	<	61.1	730	U
4,6-Dinitro-2-methylphenol	ND	0 / 30	<	56.4	740	U	<	56.4	740	U	<	56.4	730	U
4-Bromophenyl-phenylether	ND	0 / 30	<	56.6	370	U	<	56.6	370	U	<	56.6	360	U
4-Chloro-3-methylphenol	ND	0 / 30	<	58.8	370	U	<	58.8	370	U	<	58.8	360	U
4-Chloroaniline	ND	0 / 30	<	16.5	740	U	<	16.5	740	U	<	16.5	730	U
4-Chlorophenyl-phenylether	ND	0 / 30	<	60.7	370	U	<	60.7	370	U	<	60.7	360	U
4-Methylphenol (p-cresol)	ND	0 / 30	<	46.4	370	U	<	46.4	370	U	<	46.4	360	U
4-Nitroaniline	ND	0 / 30	<	72.8	370	U	<	72.8	370	U	<	72.8	360	U
4-Nitrophenol	ND	0 / 30	<	59.8	740	U	<	59.8	740	U	<	59.8	730	U
Acenaphthene	ND	0 / 30	<	53.8	370	U	<	53.8	370	U	<	53.8	360	U
Acenaphthylene	ND	0 / 30	<	53.1	370	U	<	53.1	370	U	<	53.1	360	U
Acetophenone	ND	0 / 30	<	90	370	U	<	90	370	U	<	90	360	U
Anthracene	ND	0 / 30	<	61.3	370	U	<	61.3	370	U	<	61.3	360	U
Atrazine	ND	0 / 30	<	90	370	U	<	90	370	U	<	90	360	U
Benzo(a)anthracene	ND	0 / 30	<	58	370	U	<	58	370	U	<	58	360	U
Benzo(a)pyrene	ND	0 / 30	<	50.7	370	U	<	50.7	370	U	<	50.7	360	U
Benzo(b)fluoranthene	ND	0 / 30	<	60	370	U	<	60	370	U	<	60	360	U
Benzo(g,h,i)perylene	ND	0 / 30	<	55.2	370	U	<	55.2	370	U	<	55.2	360	U
Benzo(k)fluoranthene	ND	0 / 30	<	61	370	U	<	61	370	U	<	61	360	U
Biphenyl (diphenyl)	300 F	2 / 30	<	90	370	U	<	90	370	U	<	90	360	U
bis(2-Chloroethoxy)methane	ND	0 / 30	<	49.9	370	U	<	49.9	370	U	<	49.9	360	U
bis(2-Chloroethyl)ether	ND	0 / 30	<	50	370	U	<	50	370	U	<	50	360	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	370	U	<	61.6	370	U	<	61.6	360	U
Butylbenzylphthalate	ND	0 / 30	<	55.5	370	U	<	55.5	370	U	<	55.5	360	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB01-010				C11-SB01-020				C11-SB01-024			
DATE COLLECTED			May 14, 2007				May 14, 2007				May 14, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Caprolactam	3800	5 / 30	<	90	370	U	<	90	370	U	<	90	360	U
Carbazole	ND	0 / 30	<	81.6	370	U	<	81.6	370	U	<	81.6	360	U
Chrysene	ND	0 / 30	<	60.6	370	U	<	60.6	370	U	<	60.6	360	U
Dibenz(a,h)anthracene	ND	0 / 30	<	59.4	370	U	<	59.4	370	U	<	59.4	360	U
Dibenzofuran	ND	0 / 30	<	57.3	370	U	<	57.3	370	U	<	57.3	360	U
Diethylphthalate	ND	0 / 30	<	62.1	370	U	<	62.1	370	U	<	62.1	360	U
Dimethylphthalate	ND	0 / 30	<	63.3	370	U	<	63.3	370	U	<	63.3	360	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	370	U	<	65.9	370	U	<	65.9	360	U
Di-n-octylphthalate	ND	0 / 30	<	58.4	370	U	<	58.4	370	U	<	58.4	360	U
Fluoranthene	ND	0 / 30	<	65.4	370	U	<	65.4	370	U	<	65.4	360	U
Fluorene	ND	0 / 30	<	61.3	370	U	<	61.3	370	U	<	61.3	360	U
Hexachlorobenzene	ND	0 / 30	<	60.3	370	U	<	60.3	370	U	<	60.3	360	U
Hexachlorobutadiene	ND	0 / 30	<	51.7	370	U	<	51.7	370	U	<	51.7	360	U
Hexachlorocyclopentadiene	ND	0 / 30	<	44	370	U	<	44	370	U	<	44	360	U
Hexachloroethane	ND	0 / 30	<	49.9	370	U	<	49.9	370	U	<	49.9	360	U
Indeno(1,2,3-cd)pyrene	ND	0 / 30	<	60.4	370	U	<	60.4	370	U	<	60.4	360	U
Isophorone	93 F	1 / 30	<	57	370	U	<	57	370	U	<	57	360	U
Naphthalene	220 F	2 / 30	<	50.5	370	U	<	50.5	370	U	<	50.5	360	U
Nitrobenzene	ND	0 / 30	<	49.8	370	U	<	49.8	370	U	<	49.8	360	U
N-Nitroso-di-n-propylamine	ND	0 / 30	<	54.9	370	U	<	54.9	370	U	<	54.9	360	U
N-Nitrosodiphenylamine	ND	0 / 30	<	50.6	370	U	<	50.6	370	U	<	50.6	360	U
Pentachlorophenol	ND	0 / 30	<	58.7	740	U	<	58.7	740	U	<	58.7	730	U
Phenanthrene	ND	0 / 30	<	58.2	370	U	<	58.2	370	U	<	58.2	360	U
Phenol	ND	0 / 30	<	43	370	U	<	43	370	U	<	43	360	U
Pyrene	ND	0 / 30	<	54.1	370	U	<	54.1	370	U	<	54.1	360	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	<	1	11	U	<	1	11	U	<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	1	U	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	3090	4.01	13		4910	4.01	14		3610	4.01	13	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	1.5	0.21	0.8	
Arsenic	3.4	30 / 30	3	0.17	0.7		1.9	0.17	0.7		1.9	0.17	0.7	
Barium	1720	30 / 30	1060	0.94	11		92.7	0.05	0.6		171	0.05	0.6	
Beryllium	0.82	30 / 30	0.26	0.04	0.2		0.45	0.04	0.2		0.19	0.04	0.2	F
Cadmium	0.095 F	9 / 30	0.039	0.03	0.6	F	<	0.03	0.6	U	<	0.03	0.6	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB01-010				C11-SB01-020				C11-SB01-024			
DATE COLLECTED			May 14, 2007				May 14, 2007				May 14, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Calcium	230000	30 / 30	225000	33	448		171000	19	225		215000	33	440	
Chromium	6.8	30 / 30	3	0.03	0.6		4.5	0.03	0.6		4.7	0.03	0.6	
Cobalt	3.11	30 / 30	0.84	0.05	0.6		1.6	0.05	0.6		0.61	0.05	0.6	
Copper	3.9	30 / 30	1.5	0.09	0.6		1.6	0.09	0.6		1.2	0.09	0.6	
Iron	7310	30 / 30	2980	1.63	6		3900	1.63	6		3050	1.63	6	
Lead	8	30 / 30	0.95	0.09	6	F	1.8	0.09	6	F	<	0.09	6	U
Magnesium	9260 J	30 / 30	2760	2.41	9		4390	2.41	9		3770	2.41	9	
Manganese	107	30 / 30	34.1	0.13	0.6		50	0.13	0.6		22.6	0.13	0.6	
Mercury	0.017 F	4 / 30	0.017	0.01	0.1	F	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	4	0.07	0.6		4.3	0.07	0.6		3.2	0.07	0.6	
Potassium	1990	30 / 30	748	13.88	112		1540	13.88	113		1070	13.88	110	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	0.065	0.04	0.2	F
Sodium	87.2 F	9 / 30	<	7.36	112	U	87.2	7.36	113	F	<	7.36	110	U
Thallium	1.6 F	30 / 30	0.35	0.21	2	F	0.32	0.21	2	F	0.43	0.21	2	F
Vanadium	17.7	30 / 30	10.9	0.06	0.6		11.9	0.06	0.6		9.1	0.06	0.6	
Zinc	13.1	30 / 30	5.8	1.15	6	F	7.5	1.15	6		5.8	1.15	6	F

Notes:

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

MDL = Method Detection Limit

RL = Reporting Limit

Qual = Qualifier

ND = Not Detected

J = Estimated

U = Nondetect

UJ = Estimated Nondetect

F = Result between MDL and RL

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB02-007				C11-SB02-013				C11-SB02-019			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,1,2-Tetrachloroethane	ND	0 / 30	<	0.7	4	U	<	0.7	3	U	<	0.7	3	U
1,1,1-Trichloroethane	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
1,1,2,2-Tetrachloroethane	ND	0 / 30	<	1.4	4	U	<	1.4	3	U	<	1.4	3	U
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	5	U
1,1-Dichloroethane	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	5	U
1,1-Dichloroethene	ND	0 / 30	<	0.9	7	U	<	0.9	7	U	<	0.9	7	U
1,1-Dichloropropene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
1,2,3-Trichlorobenzene	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	5	U
1,2,3-Trichloropropane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	5	U
1,2,4-Trichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,2-Dibromo-3-Chloropropane	ND	0 / 30	<	2	10	U	<	2	10	U	<	2	10	U
1,2-Dibromoethane (Ethylene Dibromide)	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
1,2-Dichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
1,2-Dichloroethane	ND	0 / 30	<	0.1	4	U	<	0.1	3	U	<	0.1	3	U
1,2-Dichloroethene (cis)	ND	0 / 30	<	0.25	6	U	<	0.25	6	U	<	0.25	5	U
1,2-Dichloroethene (trans)	ND	0 / 30	<	0.39	6	U	<	0.39	6	U	<	0.39	5	U
1,2-Dichloropropane	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
1,3-Dichlorobenzene	ND	0 / 30	<	0.8	7	U	<	0.8	7	U	<	0.8	7	U
1,3-Dichloropropane	ND	0 / 30	<	0.7	2	U	<	0.7	2	U	<	0.7	2	U
1,4-Dichlorobenzene	ND	0 / 30	<	0.8	2	U	<	0.8	2	U	<	0.8	2	U
2,2-Dichloropropane	ND	0 / 30	<	0.76	6	U	<	0.76	6	U	<	0.76	5	U
2-Chlorotoluene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
4-Chlorotoluene	ND	0 / 30	<	1.2	6	U	<	1.2	6	U	<	1.2	5	U
4-Methyl-2-Pentanone (MIBK)	ND	0 / 30	<	2	20	U	<	2	20	U	<	2	20	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	<	3.2	60	U
Benzene	ND	0 / 30	<	0.72	2	U	<	0.72	2	U	<	0.72	2	U
Bromobenzene	ND	0 / 30	<	0.86	6	U	<	0.86	6	U	<	0.86	5	U
Bromochloromethane	ND	0 / 30	<	0.92	6	U	<	0.92	6	U	<	0.92	5	U
Bromodichloromethane	ND	0 / 30	<	0.78	2	U	<	0.78	2	U	<	0.78	2	U
Bromoform	ND	0 / 30	<	0.91	7	U	<	0.91	7	U	<	0.91	7	U
Bromomethane	ND	0 / 30	<	1.8	10	U	<	1.8	10	U	<	1.8	10	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB02-007				C11-SB02-013				C11-SB02-019			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Carbon Tetrachloride	ND	0 / 30	<	0.9	6	U	<	0.9	6	U	<	0.9	5	U
Chlorobenzene	ND	0 / 30	<	0.56	2	U	<	0.56	2	U	<	0.56	2	U
Chloroethane	ND	0 / 30	<	1.8	6	U	<	1.8	6	U	<	1.8	5	U
Chloroform	ND	0 / 30	<	1.6	2	U	<	1.6	2	U	<	1.6	2	U
Chloromethane	ND	0 / 30	<	2.1	6	U	<	2.1	6	U	<	2.1	5	U
cis-1,3-Dichloropropene	ND	0 / 30	<	0.53	4	U	<	0.53	3	U	<	0.53	3	U
Dibromochloromethane	ND	0 / 30	<	0.97	4	U	<	0.97	3	U	<	0.97	3	U
Dibromomethane	ND	0 / 30	<	0.74	6	U	<	0.74	6	U	<	0.74	5	U
Dichlorodifluoromethane	ND	0 / 30	<	0.94	6	U	<	0.94	6	U	<	0.94	5	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	6	U	<	0.73	5	U
Hexachlorobutadiene	ND	0 / 30	<	0.68	4	U	<	0.68	3	U	<	0.68	3	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	6	U	<	1.3	5	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	6	U	<	0.49	5	U
Methyl Ethyl Ketone (2-Butanone)	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methyl t-Butyl Ether	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methylene Chloride	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
Styrene	ND	0 / 30	<	0.8	6	U	<	0.8	6	U	<	0.8	5	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
Tetrachloroethene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
Toluene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
trans-1,3-Dichloropropene	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
Trichloroethene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
Trichlorofluoromethane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	5	U
Vinyl Chloride	ND	0 / 30	<	1.7	6	U	<	1.7	6	U	<	1.7	5	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2,2-Oxybis(1-chloro)propane	ND	0 / 30	<	47.3	380	U	<	47.3	370	U	<	47.3	370	U
2,4,5-Trichlorophenol	ND	0 / 30	<	60.1	380	U	<	60.1	370	U	<	60.1	370	U
2,4,6-Trichlorophenol	ND	0 / 30	<	48.3	380	U	<	48.3	370	U	<	48.3	370	U
2,4-Dichlorophenol	ND	0 / 30	<	50.5	380	U	<	50.5	370	U	<	50.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB02-007				C11-SB02-013				C11-SB02-019			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
2,4-Dimethylphenol	ND	0 / 30	<	43.9	380	U	<	43.9	370	U	<	43.9	370	U
2,4-Dinitrophenol	ND	0 / 30	<	53.7	760	U	<	53.7	750	U	<	53.7	730	U
2,4-Dinitrotoluene	ND	0 / 30	<	63.8	380	U	<	63.8	370	U	<	63.8	370	U
2,6-Dinitrotoluene	ND	0 / 30	<	60.6	380	U	<	60.6	370	U	<	60.6	370	U
2-Chloronaphthalene	ND	0 / 30	<	52.4	380	U	<	52.4	370	U	<	52.4	370	U
2-Chlorophenol	ND	0 / 30	<	44.3	380	U	<	44.3	370	U	<	44.3	370	U
2-Methylnaphthalene	1000	2 / 30	<	50.4	380	U	<	50.4	370	U	<	50.4	370	U
2-Methylphenol (o-cresol)	ND	0 / 30	<	45.2	380	U	<	45.2	370	U	<	45.2	370	U
2-Nitroaniline	ND	0 / 30	<	62.4	760	U	<	62.4	750	U	<	62.4	730	U
2-Nitrophenol	ND	0 / 30	<	47.8	380	U	<	47.8	370	U	<	47.8	370	U
3,3-Dichlorobenzidine	ND	0 / 30	<	56.3	760	U	<	56.3	750	U	<	56.3	730	U
3-Nitroaniline	ND	0 / 30	<	61.1	760	U	<	61.1	750	U	<	61.1	730	U
4,6-Dinitro-2-methylphenol	ND	0 / 30	<	56.4	760	U	<	56.4	750	U	<	56.4	730	U
4-Bromophenyl-phenylether	ND	0 / 30	<	56.6	380	U	<	56.6	370	U	<	56.6	370	U
4-Chloro-3-methylphenol	ND	0 / 30	<	58.8	380	U	<	58.8	370	U	<	58.8	370	U
4-Chloroaniline	ND	0 / 30	<	16.5	760	U	<	16.5	750	U	<	16.5	730	U
4-Chlorophenyl-phenylether	ND	0 / 30	<	60.7	380	U	<	60.7	370	U	<	60.7	370	U
4-Methylphenol (p-cresol)	ND	0 / 30	<	46.4	380	U	<	46.4	370	U	<	46.4	370	U
4-Nitroaniline	ND	0 / 30	<	72.8	380	U	<	72.8	370	U	<	72.8	370	U
4-Nitrophenol	ND	0 / 30	<	59.8	760	U	<	59.8	750	U	<	59.8	730	U
Acenaphthene	ND	0 / 30	<	53.8	380	U	<	53.8	370	U	<	53.8	370	U
Acenaphthylene	ND	0 / 30	<	53.1	380	U	<	53.1	370	U	<	53.1	370	U
Acetophenone	ND	0 / 30	<	90	380	U	<	90	370	U	<	90	370	U
Anthracene	ND	0 / 30	<	61.3	380	U	<	61.3	370	U	<	61.3	370	U
Atrazine	ND	0 / 30	<	90	380	U	<	90	370	U	<	90	370	U
Benzo(a)anthracene	ND	0 / 30	<	58	380	U	<	58	370	U	<	58	370	U
Benzo(a)pyrene	ND	0 / 30	<	50.7	380	U	<	50.7	370	U	<	50.7	370	U
Benzo(b)fluoranthene	ND	0 / 30	<	60	380	U	<	60	370	U	<	60	370	U
Benzo(g,h,i)perylene	ND	0 / 30	<	55.2	380	U	<	55.2	370	U	<	55.2	370	U
Benzo(k)fluoranthene	ND	0 / 30	<	61	380	U	<	61	370	U	<	61	370	U
Biphenyl (diphenyl)	300 F	2 / 30	<	90	380	U	<	90	370	U	<	90	370	U
bis(2-Chloroethoxy)methane	ND	0 / 30	<	49.9	380	U	<	49.9	370	U	<	49.9	370	U
bis(2-Chloroethyl)ether	ND	0 / 30	<	50	380	U	<	50	370	U	<	50	370	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	380	U	<	61.6	370	U	<	61.6	370	U
Butylbenzylphthalate	ND	0 / 30	<	55.5	380	U	<	55.5	370	U	<	55.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB02-007				C11-SB02-013				C11-SB02-019			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Caprolactam	3800	5 / 30	<	90	380	U	<	90	370	U	<	90	370	U
Carbazole	ND	0 / 30	<	81.6	380	U	<	81.6	370	U	<	81.6	370	U
Chrysene	ND	0 / 30	<	60.6	380	U	<	60.6	370	U	<	60.6	370	U
Dibenz(a,h)anthracene	ND	0 / 30	<	59.4	380	U	<	59.4	370	U	<	59.4	370	U
Dibenzofuran	ND	0 / 30	<	57.3	380	U	<	57.3	370	U	<	57.3	370	U
Diethylphthalate	ND	0 / 30	<	62.1	380	U	<	62.1	370	U	<	62.1	370	U
Dimethylphthalate	ND	0 / 30	<	63.3	380	U	<	63.3	370	U	<	63.3	370	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	470	U	<	65.9	370	U	<	65.9	370	U
Di-n-octylphthalate	ND	0 / 30	<	58.4	380	U	<	58.4	370	U	<	58.4	370	U
Fluoranthene	ND	0 / 30	<	65.4	380	U	<	65.4	370	U	<	65.4	370	U
Fluorene	ND	0 / 30	<	61.3	380	U	<	61.3	370	U	<	61.3	370	U
Hexachlorobenzene	ND	0 / 30	<	60.3	380	U	<	60.3	370	U	<	60.3	370	U
Hexachlorobutadiene	ND	0 / 30	<	51.7	380	U	<	51.7	370	U	<	51.7	370	U
Hexachlorocyclopentadiene	ND	0 / 30	<	44	380	U	<	44	370	U	<	44	370	U
Hexachloroethane	ND	0 / 30	<	49.9	380	U	<	49.9	370	U	<	49.9	370	U
Indeno(1,2,3-cd)pyrene	ND	0 / 30	<	60.4	380	U	<	60.4	370	U	<	60.4	370	U
Isophorone	93 F	1 / 30	<	57	380	U	<	57	370	U	<	57	370	U
Naphthalene	220 F	2 / 30	<	50.5	380	U	<	50.5	370	U	<	50.5	370	U
Nitrobenzene	ND	0 / 30	<	49.8	380	U	<	49.8	370	U	<	49.8	370	U
N-Nitroso-di-n-propylamine	ND	0 / 30	<	54.9	380	U	<	54.9	370	U	<	54.9	370	U
N-Nitrosodiphenylamine	ND	0 / 30	<	50.6	380	U	<	50.6	370	U	<	50.6	370	U
Pentachlorophenol	ND	0 / 30	<	58.7	760	U	<	58.7	750	U	<	58.7	730	U
Phenanthrene	ND	0 / 30	<	58.2	380	U	<	58.2	370	U	<	58.2	370	U
Phenol	ND	0 / 30	<	43	380	U	<	43	370	U	<	43	370	U
Pyrene	ND	0 / 30	<	54.1	380	U	<	54.1	370	U	<	54.1	370	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	<	1	12	U	<	1	11	U	<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	1	U	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	5530	80	278		7650	80	272		3910	4.01	13	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	<	0.21	0.8	U
Arsenic	3.4	30 / 30	3.4	0.17	0.7		2.7	0.17	0.7		1.8	0.17	0.7	
Barium	1720	30 / 30	590	0.94	12		395	0.94	11		338	0.47	6	J
Beryllium	0.82	30 / 30	0.31	0.04	0.2		0.54	0.04	0.2		0.38	0.04	0.2	
Cadmium	0.095 F	9 / 30	0.05	0.03	0.6	F	0.048	0.03	0.6	F	<	0.03	0.6	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB02-007				C11-SB02-013				C11-SB02-019			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Calcium	230000	30 / 30	189000	16	231		147000	16	227		46300	8.20	111	
Chromium	6.8	30 / 30	4.1	0.03	0.6		4.6	0.03	0.6		4.3	0.03	0.6	
Cobalt	3.11	30 / 30	1.4	0.05	0.6		1.9	0.05	0.6		1.4	0.05	0.6	
Copper	3.9	30 / 30	2.5	0.09	0.6		2.6	0.09	0.6		2.2	0.09	0.6	
Iron	7310	30 / 30	3950	1.63	6		6100	33	113		5010	16	55	
Lead	8	30 / 30	1.5	0.09	6	F	3.5	0.09	6	F	4.2	0.09	6	F
Magnesium	9260 J	30 / 30	2530	2.41	9		3740	2.41	9		2220	2.41	9	
Manganese	107	30 / 30	39.5	0.13	0.6		66.4	0.13	0.6		60.3	0.13	0.6	
Mercury	0.017 F	4 / 30	0.015	0.01	0.1	F	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	5.2	0.07	0.6		5.3	0.07	0.6		4	0.07	0.6	
Potassium	1990	30 / 30	1030	13.88	116		1560	13.88	113		1300	13.88	111	J
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	9 / 30	<	7.36	116	U	<	7.36	113	U	17.4	7.36	111	F
Thallium	1.6 F	30 / 30	0.29	0.21	2	F	0.63	0.21	2	F	0.68	0.21	2	F
Vanadium	17.7	30 / 30	13.1	0.06	0.6		13.7	0.06	0.6		10.1	0.06	0.6	
Zinc	13.1	30 / 30	8.3	1.15	6		10.7	1.15	6		9.2	1.15	6	

Notes:

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

MDL = Method Detection Limit

RL = Reporting Limit

Qual = Qualifier

ND = Not Detected

J = Estimated

U = Nondetect

UJ = Estimated Nondetect

F = Result between MDL and RL

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB03-018				C11-SB03-023				C11-SB03-027			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,1,2-Tetrachloroethane	ND	0 / 30	<	0.7	3	U	<	0.7	3	U	<	0.7	3	U
1,1,1-Trichloroethane	ND	0 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
1,1,2,2-Tetrachloroethane	ND	0 / 30	<	1.4	3	U	<	1.4	3	U	<	1.4	3	U
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	5	U	<	0.3	6	U
1,1-Dichloroethane	ND	0 / 30	<	0.3	6	U	<	0.3	5	U	<	0.3	6	U
1,1-Dichloroethene	ND	0 / 30	<	0.9	7	U	<	0.9	7	U	<	0.9	7	U
1,1-Dichloropropene	ND	0 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
1,2,3-Trichlorobenzene	ND	0 / 30	<	0.3	6	U	<	0.3	5	U	<	0.3	6	U
1,2,3-Trichloropropane	ND	0 / 30	<	1.4	6	U	<	1.4	5	U	<	1.4	6	U
1,2,4-Trichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	5	U	<	0.6	6	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,2-Dibromo-3-Chloropropane	ND	0 / 30	<	2	10	U	<	2	10	U	<	2	10	U
1,2-Dibromoethane (Ethylene Dibromide)	ND	0 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
1,2-Dichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	5	U	<	0.6	6	U
1,2-Dichloroethane	ND	0 / 30	<	0.1	3	U	<	0.1	3	U	<	0.1	3	U
1,2-Dichloroethene (cis)	ND	0 / 30	<	0.25	6	U	<	0.25	5	U	<	0.25	6	U
1,2-Dichloroethene (trans)	ND	0 / 30	<	0.39	6	U	<	0.39	5	U	<	0.39	6	U
1,2-Dichloropropane	ND	0 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	5	U	<	1.1	6	U
1,3-Dichlorobenzene	ND	0 / 30	<	0.8	7	U	<	0.8	7	U	<	0.8	7	U
1,3-Dichloropropane	ND	0 / 30	<	0.7	2	U	<	0.7	2	U	<	0.7	2	U
1,4-Dichlorobenzene	ND	0 / 30	<	0.8	2	U	<	0.8	2	U	<	0.8	2	U
2,2-Dichloropropane	ND	0 / 30	<	0.76	6	U	<	0.76	5	U	<	0.76	6	U
2-Chlorotoluene	ND	0 / 30	<	1.1	6	U	<	1.1	5	U	<	1.1	6	U
4-Chlorotoluene	ND	0 / 30	<	1.2	6	U	<	1.2	5	U	<	1.2	6	U
4-Methyl-2-Pentanone (MIBK)	ND	0 / 30	<	2	20	U	<	2	20	U	<	2	20	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	<	3.2	60	U
Benzene	ND	0 / 30	<	0.72	2	U	<	0.72	2	U	<	0.72	2	U
Bromobenzene	ND	0 / 30	<	0.86	6	U	<	0.86	5	U	<	0.86	6	U
Bromochloromethane	ND	0 / 30	<	0.92	6	U	<	0.92	5	U	<	0.92	6	U
Bromodichloromethane	ND	0 / 30	<	0.78	2	U	<	0.78	2	U	<	0.78	2	U
Bromoform	ND	0 / 30	<	0.91	7	U	<	0.91	7	U	<	0.91	7	U
Bromomethane	ND	0 / 30	<	1.8	10	U	<	1.8	10	U	<	1.8	10	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB03-018				C11-SB03-023				C11-SB03-027			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Carbon Tetrachloride	ND	0 / 30	<	0.9	6	U	<	0.9	5	U	<	0.9	6	U
Chlorobenzene	ND	0 / 30	<	0.56	2	U	<	0.56	2	U	<	0.56	2	U
Chloroethane	ND	0 / 30	<	1.8	6	U	<	1.8	5	U	<	1.8	6	U
Chloroform	ND	0 / 30	<	1.6	2	U	<	1.6	2	U	<	1.6	2	U
Chloromethane	ND	0 / 30	<	2.1	6	U	<	2.1	5	U	<	2.1	6	U
cis-1,3-Dichloropropene	ND	0 / 30	<	0.53	3	U	<	0.53	3	U	<	0.53	3	U
Dibromochloromethane	ND	0 / 30	<	0.97	3	U	<	0.97	3	U	<	0.97	3	U
Dibromomethane	ND	0 / 30	<	0.74	6	U	<	0.74	5	U	<	0.74	6	U
Dichlorodifluoromethane	ND	0 / 30	<	0.94	6	U	<	0.94	5	U	<	0.94	6	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	5	U	<	0.73	6	U
Hexachlorobutadiene	ND	0 / 30	<	0.68	3	U	<	0.68	3	U	<	0.68	3	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	5	U	<	1.3	6	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	5	U	<	0.49	6	U
Methyl Ethyl Ketone (2-Butanone)	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methyl t-Butyl Ether	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methylene Chloride	ND	0 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	5	U	<	0.6	6	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	5	U	<	1.1	6	U
Styrene	ND	0 / 30	<	0.8	6	U	<	0.8	5	U	<	0.8	6	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
Tetrachloroethene	ND	0 / 30	<	0.6	6	U	<	0.6	5	U	<	0.6	6	U
Toluene	ND	0 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
trans-1,3-Dichloropropene	ND	0 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
Trichloroethene	ND	0 / 30	<	1.1	6	U	<	1.1	5	U	<	1.1	6	U
Trichlorofluoromethane	ND	0 / 30	<	1.4	6	U	<	1.4	5	U	<	1.4	6	U
Vinyl Chloride	ND	0 / 30	<	1.7	6	U	<	1.7	5	U	<	1.7	6	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2,2-Oxybis(1-chloro)propane	ND	0 / 30	<	47.3	370	U	<	47.3	360	U	<	47.3	370	U
2,4,5-Trichlorophenol	ND	0 / 30	<	60.1	370	U	<	60.1	360	U	<	60.1	370	U
2,4,6-Trichlorophenol	ND	0 / 30	<	48.3	370	U	<	48.3	360	U	<	48.3	370	U
2,4-Dichlorophenol	ND	0 / 30	<	50.5	370	U	<	50.5	360	U	<	50.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB03-018				C11-SB03-023				C11-SB03-027			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
2,4-Dimethylphenol	ND	0 / 30	<	43.9	370	U	<	43.9	360	U	<	43.9	370	U
2,4-Dinitrophenol	ND	0 / 30	<	53.7	740	U	<	53.7	730	U	<	53.7	740	U
2,4-Dinitrotoluene	ND	0 / 30	<	63.8	370	U	<	63.8	360	U	<	63.8	370	U
2,6-Dinitrotoluene	ND	0 / 30	<	60.6	370	U	<	60.6	360	U	<	60.6	370	U
2-Chloronaphthalene	ND	0 / 30	<	52.4	370	U	<	52.4	360	U	<	52.4	370	U
2-Chlorophenol	ND	0 / 30	<	44.3	370	U	<	44.3	360	U	<	44.3	370	U
2-Methylnaphthalene	1000	2 / 30	<	50.4	370	U	<	50.4	360	U	<	50.4	370	U
2-Methylphenol (o-cresol)	ND	0 / 30	<	45.2	370	U	<	45.2	360	U	<	45.2	370	U
2-Nitroaniline	ND	0 / 30	<	62.4	740	U	<	62.4	730	U	<	62.4	740	U
2-Nitrophenol	ND	0 / 30	<	47.8	370	U	<	47.8	360	U	<	47.8	370	U
3,3-Dichlorobenzidine	ND	0 / 30	<	56.3	740	U	<	56.3	730	U	<	56.3	740	U
3-Nitroaniline	ND	0 / 30	<	61.1	740	U	<	61.1	730	U	<	61.1	740	U
4,6-Dinitro-2-methylphenol	ND	0 / 30	<	56.4	740	U	<	56.4	730	U	<	56.4	740	U
4-Bromophenyl-phenylether	ND	0 / 30	<	56.6	370	U	<	56.6	360	U	<	56.6	370	U
4-Chloro-3-methylphenol	ND	0 / 30	<	58.8	370	U	<	58.8	360	U	<	58.8	370	U
4-Chloroaniline	ND	0 / 30	<	16.5	740	U	<	16.5	730	U	<	16.5	740	U
4-Chlorophenyl-phenylether	ND	0 / 30	<	60.7	370	U	<	60.7	360	U	<	60.7	370	U
4-Methylphenol (p-cresol)	ND	0 / 30	<	46.4	370	U	<	46.4	360	U	<	46.4	370	U
4-Nitroaniline	ND	0 / 30	<	72.8	370	U	<	72.8	360	U	<	72.8	370	U
4-Nitrophenol	ND	0 / 30	<	59.8	740	U	<	59.8	730	U	<	59.8	740	U
Acenaphthene	ND	0 / 30	<	53.8	370	U	<	53.8	360	U	<	53.8	370	U
Acenaphthylene	ND	0 / 30	<	53.1	370	U	<	53.1	360	U	<	53.1	370	U
Acetophenone	ND	0 / 30	<	90	370	U	<	90	360	U	<	90	370	U
Anthracene	ND	0 / 30	<	61.3	370	U	<	61.3	360	U	<	61.3	370	U
Atrazine	ND	0 / 30	<	90	370	U	<	90	360	U	<	90	370	U
Benzo(a)anthracene	ND	0 / 30	<	58	370	U	<	58	360	U	<	58	370	U
Benzo(a)pyrene	ND	0 / 30	<	50.7	370	U	<	50.7	360	U	<	50.7	370	U
Benzo(b)fluoranthene	ND	0 / 30	<	60	370	U	<	60	360	U	<	60	370	U
Benzo(g,h,i)perylene	ND	0 / 30	<	55.2	370	U	<	55.2	360	U	<	55.2	370	U
Benzo(k)fluoranthene	ND	0 / 30	<	61	370	U	<	61	360	U	<	61	370	U
Biphenyl (diphenyl)	300 F	2 / 30	<	90	370	U	<	90	360	U	<	90	370	U
bis(2-Chloroethoxy)methane	ND	0 / 30	<	49.9	370	U	<	49.9	360	U	<	49.9	370	U
bis(2-Chloroethyl)ether	ND	0 / 30	<	50	370	U	<	50	360	U	<	50	370	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	370	U	<	61.6	360	U	<	61.6	370	U
Butylbenzylphthalate	ND	0 / 30	<	55.5	370	U	<	55.5	360	U	<	55.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB03-018				C11-SB03-023				C11-SB03-027			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Caprolactam	3800	5 / 30	<	90	370	U	<	90	360	U	<	90	370	U
Carbazole	ND	0 / 30	<	81.6	370	U	<	81.6	360	U	<	81.6	370	U
Chrysene	ND	0 / 30	<	60.6	370	U	<	60.6	360	U	<	60.6	370	U
Dibenz(a,h)anthracene	ND	0 / 30	<	59.4	370	U	<	59.4	360	U	<	59.4	370	U
Dibenzofuran	ND	0 / 30	<	57.3	370	U	<	57.3	360	U	<	57.3	370	U
Diethylphthalate	ND	0 / 30	<	62.1	370	U	<	62.1	360	U	<	62.1	370	U
Dimethylphthalate	ND	0 / 30	<	63.3	370	U	<	63.3	360	U	<	63.3	370	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	370	U	<	65.9	360	U	<	65.9	370	U
Di-n-octylphthalate	ND	0 / 30	<	58.4	370	U	<	58.4	360	U	<	58.4	370	U
Fluoranthene	ND	0 / 30	<	65.4	370	U	<	65.4	360	U	<	65.4	370	U
Fluorene	ND	0 / 30	<	61.3	370	U	<	61.3	360	U	<	61.3	370	U
Hexachlorobenzene	ND	0 / 30	<	60.3	370	U	<	60.3	360	U	<	60.3	370	U
Hexachlorobutadiene	ND	0 / 30	<	51.7	370	U	<	51.7	360	U	<	51.7	370	U
Hexachlorocyclopentadiene	ND	0 / 30	<	44	370	U	<	44	360	U	<	44	370	U
Hexachloroethane	ND	0 / 30	<	49.9	370	U	<	49.9	360	U	<	49.9	370	U
Indeno(1,2,3-cd)pyrene	ND	0 / 30	<	60.4	370	U	<	60.4	360	U	<	60.4	370	U
Isophorone	93 F	1 / 30	<	57	370	U	<	57	360	U	<	57	370	U
Naphthalene	220 F	2 / 30	<	50.5	370	U	<	50.5	360	U	<	50.5	370	U
Nitrobenzene	ND	0 / 30	<	49.8	370	U	<	49.8	360	U	<	49.8	370	U
N-Nitroso-di-n-propylamine	ND	0 / 30	<	54.9	370	U	<	54.9	360	U	<	54.9	370	U
N-Nitrosodiphenylamine	ND	0 / 30	<	50.6	370	U	<	50.6	360	U	<	50.6	370	U
Pentachlorophenol	ND	0 / 30	<	58.7	740	U	<	58.7	730	U	<	58.7	740	U
Phenanthrene	ND	0 / 30	<	58.2	370	U	<	58.2	360	U	<	58.2	370	U
Phenol	ND	0 / 30	<	43	370	U	<	43	360	U	<	43	370	U
Pyrene	ND	0 / 30	<	54.1	370	U	<	54.1	360	U	<	54.1	370	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	4.1	1	11	F	<	1	11	U	<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	1	U	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	3750	4.01	14		5120	20	66		6150	40	134	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	<	0.21	0.8	U
Arsenic	3.4	30 / 30	1.9	0.17	0.7		1.3	0.17	0.7		1.2	0.17	0.7	
Barium	1720	30 / 30	125	0.05	0.6		138	0.05	0.6		113	0.05	0.6	
Beryllium	0.82	30 / 30	0.28	0.04	0.2		0.34	0.04	0.2		0.3	0.04	0.2	
Cadmium	0.095 F	9 / 30	0.033	0.03	0.6	F	<	0.03	0.6	U	<	0.03	0.6	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB03-018				C11-SB03-023				C11-SB03-027			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Calcium	230000	30 / 30	195000	33	450		47600	4.1	55		85700	8.2	112	
Chromium	6.8	30 / 30	3.9	0.03	0.6		4.8	0.03	0.6		4.9	0.03	0.6	
Cobalt	3.11	30 / 30	1.4	0.05	0.6		1.3	0.05	0.6		1.3	0.05	0.6	
Copper	3.9	30 / 30	1.6	0.09	0.6		2	0.09	0.6		1.3	0.09	0.6	
Iron	7310	30 / 30	3540	1.63	6		4460	8.2	27		5070	16.3	56	
Lead	8	30 / 30	1.4	0.09	6	F	3.3	0.09	6	F	2	0.09	6	F
Magnesium	9260 J	30 / 30	3160	2.41	9		2970	2.41	9		4990	2.41	9	
Manganese	107	30 / 30	59.3	0.13	0.6		27.8	0.13	0.6		43.1	0.13	0.6	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	4.1	0.07	0.6		4.5	0.07	0.6		4.1	0.07	0.6	
Potassium	1990	30 / 30	1240	13.88	113		1310	13.88	110		1110	13.88	112	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	9 / 30	<	7.36	113	U	10.2	7.36	110	F	<	7.36	112	U
Thallium	1.6 F	30 / 30	0.27	0.21	2	F	0.56	0.21	2	F	0.55	0.21	2	F
Vanadium	17.7	30 / 30	12	0.06	0.6		11.2	0.06	0.6		13.3	0.06	0.6	
Zinc	13.1	30 / 30	6	1.15	6		7.5	1.15	6		7.8	1.15	6	

Notes:

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

MDL = Method Detection Limit

RL = Reporting Limit

Qual = Qualifier

ND = Not Detected

J = Estimated

U = Nondetect

UJ = Estimated Nondetect

F = Result between MDL and RL

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB04-018				C11-SB04-025				C11-SB04-030			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,1,2-Tetrachloroethane	ND	0 / 30	<	0.7	3	U	<	0.7	3	U	<	0.7	3	U
1,1,1-Trichloroethane	ND	0 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
1,1,2,2-Tetrachloroethane	ND	0 / 30	<	1.4	3	U	<	1.4	3	U	<	1.4	3	U
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	5	U	<	0.3	6	U
1,1-Dichloroethane	ND	0 / 30	<	0.3	6	U	<	0.3	5	U	<	0.3	6	U
1,1-Dichloroethene	ND	0 / 30	<	0.9	7	U	<	0.9	6	U	<	0.9	7	U
1,1-Dichloropropene	ND	0 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
1,2,3-Trichlorobenzene	ND	0 / 30	<	0.3	6	U	<	0.3	5	U	<	0.3	6	U
1,2,3-Trichloropropane	ND	0 / 30	<	1.4	6	U	<	1.4	5	U	<	1.4	6	U
1,2,4-Trichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	5	U	<	0.6	6	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	6	U	<	1.4	7	U
1,2-Dibromo-3-Chloropropane	ND	0 / 30	<	2	10	U	<	2	10	U	<	2	10	U
1,2-Dibromoethane (Ethylene Dibromide)	ND	0 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
1,2-Dichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	5	U	<	0.6	6	U
1,2-Dichloroethane	ND	0 / 30	<	0.1	3	U	<	0.1	3	U	<	0.1	3	U
1,2-Dichloroethene (cis)	ND	0 / 30	<	0.25	6	U	<	0.25	5	U	<	0.25	6	U
1,2-Dichloroethene (trans)	ND	0 / 30	<	0.39	6	U	<	0.39	5	U	<	0.39	6	U
1,2-Dichloropropane	ND	0 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	5	U	<	1.1	6	U
1,3-Dichlorobenzene	ND	0 / 30	<	0.8	7	U	<	0.8	6	U	<	0.8	7	U
1,3-Dichloropropane	ND	0 / 30	<	0.7	2	U	<	0.7	2	U	<	0.7	2	U
1,4-Dichlorobenzene	ND	0 / 30	<	0.8	2	U	<	0.8	2	U	<	0.8	2	U
2,2-Dichloropropane	ND	0 / 30	<	0.76	6	U	<	0.76	5	U	<	0.76	6	U
2-Chlorotoluene	ND	0 / 30	<	1.1	6	U	<	1.1	5	U	<	1.1	6	U
4-Chlorotoluene	ND	0 / 30	<	1.2	6	U	<	1.2	5	U	<	1.2	6	U
4-Methyl-2-Pentanone (MIBK)	ND	0 / 30	<	2	20	U	<	2	20	U	<	2	20	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	50	U	<	3.2	60	U
Benzene	ND	0 / 30	<	0.72	2	U	<	0.72	2	U	<	0.72	2	U
Bromobenzene	ND	0 / 30	<	0.86	6	U	<	0.86	5	U	<	0.86	6	U
Bromochloromethane	ND	0 / 30	<	0.92	6	U	<	0.92	5	U	<	0.92	6	U
Bromodichloromethane	ND	0 / 30	<	0.78	2	U	<	0.78	2	U	<	0.78	2	U
Bromoform	ND	0 / 30	<	0.91	7	U	<	0.91	6	U	<	0.91	7	U
Bromomethane	ND	0 / 30	<	1.8	10	U	<	1.8	10	U	<	1.8	10	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB04-018				C11-SB04-025				C11-SB04-030			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Carbon Tetrachloride	ND	0 / 30	<	0.9	6	U	<	0.9	5	U	<	0.9	6	U
Chlorobenzene	ND	0 / 30	<	0.56	2	U	<	0.56	2	U	<	0.56	2	U
Chloroethane	ND	0 / 30	<	1.8	6	U	<	1.8	5	U	<	1.8	6	U
Chloroform	ND	0 / 30	<	1.6	2	U	<	1.6	2	U	<	1.6	2	U
Chloromethane	ND	0 / 30	<	2.1	6	U	<	2.1	5	U	<	2.1	6	U
cis-1,3-Dichloropropene	ND	0 / 30	<	0.53	3	U	<	0.53	3	U	<	0.53	3	U
Dibromochloromethane	ND	0 / 30	<	0.97	3	U	<	0.97	3	U	<	0.97	3	U
Dibromomethane	ND	0 / 30	<	0.74	6	U	<	0.74	5	U	<	0.74	6	U
Dichlorodifluoromethane	ND	0 / 30	<	0.94	6	U	<	0.94	5	U	<	0.94	6	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	5	U	<	0.73	6	U
Hexachlorobutadiene	ND	0 / 30	<	0.68	3	U	<	0.68	3	U	<	0.68	3	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	5	U	<	1.3	6	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	5	U	<	0.49	6	U
Methyl Ethyl Ketone (2-Butanone)	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methyl t-Butyl Ether	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methylene Chloride	ND	0 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	5	U	<	0.6	6	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	6	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	5	U	<	1.1	6	U
Styrene	ND	0 / 30	<	0.8	6	U	<	0.8	5	U	<	0.8	6	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
Tetrachloroethene	ND	0 / 30	<	0.6	6	U	<	0.6	5	U	<	0.6	6	U
Toluene	ND	0 / 30	<	0.7	6	U	<	0.7	5	U	<	0.7	6	U
trans-1,3-Dichloropropene	ND	0 / 30	<	0.5	6	U	<	0.5	5	U	<	0.5	6	U
Trichloroethene	ND	0 / 30	<	1.1	6	U	<	1.1	5	U	<	1.1	6	U
Trichlorofluoromethane	ND	0 / 30	<	1.4	6	U	<	1.4	5	U	<	1.4	6	U
Vinyl Chloride	ND	0 / 30	<	1.7	6	U	<	1.7	5	U	<	1.7	6	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2,2-Oxybis(1-chloro)propane	ND	0 / 30	<	47.3	380	U	<	47.3	360	U	<	47.3	370	U
2,4,5-Trichlorophenol	ND	0 / 30	<	60.1	380	U	<	60.1	360	U	<	60.1	370	U
2,4,6-Trichlorophenol	ND	0 / 30	<	48.3	380	U	<	48.3	360	U	<	48.3	370	U
2,4-Dichlorophenol	ND	0 / 30	<	50.5	380	U	<	50.5	360	U	<	50.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB04-018				C11-SB04-025				C11-SB04-030			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
2,4-Dimethylphenol	ND	0 / 30	<	43.9	380	U	<	43.9	360	U	<	43.9	370	U
2,4-Dinitrophenol	ND	0 / 30	<	53.7	750	U	<	53.7	720	U	<	53.7	740	U
2,4-Dinitrotoluene	ND	0 / 30	<	63.8	380	U	<	63.8	360	U	<	63.8	370	U
2,6-Dinitrotoluene	ND	0 / 30	<	60.6	380	U	<	60.6	360	U	<	60.6	370	U
2-Chloronaphthalene	ND	0 / 30	<	52.4	380	U	<	52.4	360	U	<	52.4	370	U
2-Chlorophenol	ND	0 / 30	<	44.3	380	U	<	44.3	360	U	<	44.3	370	U
2-Methylnaphthalene	1000	2 / 30	<	50.4	380	U	<	50.4	360	U	<	50.4	370	U
2-Methylphenol (o-cresol)	ND	0 / 30	<	45.2	380	U	<	45.2	360	U	<	45.2	370	U
2-Nitroaniline	ND	0 / 30	<	62.4	750	U	<	62.4	720	U	<	62.4	740	U
2-Nitrophenol	ND	0 / 30	<	47.8	380	U	<	47.8	360	U	<	47.8	370	U
3,3-Dichlorobenzidine	ND	0 / 30	<	56.3	750	U	<	56.3	720	U	<	56.3	740	U
3-Nitroaniline	ND	0 / 30	<	61.1	750	U	<	61.1	720	U	<	61.1	740	U
4,6-Dinitro-2-methylphenol	ND	0 / 30	<	56.4	750	U	<	56.4	720	U	<	56.4	740	U
4-Bromophenyl-phenylether	ND	0 / 30	<	56.6	380	U	<	56.6	360	U	<	56.6	370	U
4-Chloro-3-methylphenol	ND	0 / 30	<	58.8	380	U	<	58.8	360	U	<	58.8	370	U
4-Chloroaniline	ND	0 / 30	<	16.5	750	U	<	16.5	720	U	<	16.5	740	U
4-Chlorophenyl-phenylether	ND	0 / 30	<	60.7	380	U	<	60.7	360	U	<	60.7	370	U
4-Methylphenol (p-cresol)	ND	0 / 30	<	46.4	380	U	<	46.4	360	U	<	46.4	370	U
4-Nitroaniline	ND	0 / 30	<	72.8	380	U	<	72.8	360	U	<	72.8	370	U
4-Nitrophenol	ND	0 / 30	<	59.8	750	U	<	59.8	720	U	<	59.8	740	U
Acenaphthene	ND	0 / 30	<	53.8	380	U	<	53.8	360	U	<	53.8	370	U
Acenaphthylene	ND	0 / 30	<	53.1	380	U	<	53.1	360	U	<	53.1	370	U
Acetophenone	ND	0 / 30	<	90	380	U	<	90	360	U	<	90	370	U
Anthracene	ND	0 / 30	<	61.3	380	U	<	61.3	360	U	<	61.3	370	U
Atrazine	ND	0 / 30	<	90	380	U	<	90	360	U	<	90	370	U
Benzo(a)anthracene	ND	0 / 30	<	58	380	U	<	58	360	U	<	58	370	U
Benzo(a)pyrene	ND	0 / 30	<	50.7	380	U	<	50.7	360	U	<	50.7	370	U
Benzo(b)fluoranthene	ND	0 / 30	<	60	380	U	<	60	360	U	<	60	370	U
Benzo(g,h,i)perylene	ND	0 / 30	<	55.2	380	U	<	55.2	360	U	<	55.2	370	U
Benzo(k)fluoranthene	ND	0 / 30	<	61	380	U	<	61	360	U	<	61	370	U
Biphenyl (diphenyl)	300 F	2 / 30	<	90	380	U	<	90	360	U	<	90	370	U
bis(2-Chloroethoxy)methane	ND	0 / 30	<	49.9	380	U	<	49.9	360	U	<	49.9	370	U
bis(2-Chloroethyl)ether	ND	0 / 30	<	50	380	U	<	50	360	U	<	50	370	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	380	U	9300	616	3600		<	61.6	370	U
Butylbenzylphthalate	ND	0 / 30	<	55.5	380	U	<	55.5	360	U	<	55.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB04-018				C11-SB04-025				C11-SB04-030			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Caprolactam	3800	5 / 30	<	90	380	U	<	90	360	U	<	90	370	U
Carbazole	ND	0 / 30	<	81.6	380	U	<	81.6	360	U	<	81.6	370	U
Chrysene	ND	0 / 30	<	60.6	380	U	<	60.6	360	U	<	60.6	370	U
Dibenz(a,h)anthracene	ND	0 / 30	<	59.4	380	U	<	59.4	360	U	<	59.4	370	U
Dibenzofuran	ND	0 / 30	<	57.3	380	U	<	57.3	360	U	<	57.3	370	U
Diethylphthalate	ND	0 / 30	<	62.1	380	U	<	62.1	360	U	<	62.1	370	U
Dimethylphthalate	ND	0 / 30	<	63.3	380	U	<	63.3	360	U	<	63.3	370	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	380	U	<	65.9	360	U	<	65.9	370	U
Di-n-octylphthalate	ND	0 / 30	<	58.4	380	U	<	58.4	360	U	<	58.4	370	U
Fluoranthene	ND	0 / 30	<	65.4	380	U	<	65.4	360	U	<	65.4	370	U
Fluorene	ND	0 / 30	<	61.3	380	U	<	61.3	360	U	<	61.3	370	U
Hexachlorobenzene	ND	0 / 30	<	60.3	380	U	<	60.3	360	U	<	60.3	370	U
Hexachlorobutadiene	ND	0 / 30	<	51.7	380	U	<	51.7	360	U	<	51.7	370	U
Hexachlorocyclopentadiene	ND	0 / 30	<	44	380	U	<	44	360	U	<	44	370	U
Hexachloroethane	ND	0 / 30	<	49.9	380	U	<	49.9	360	U	<	49.9	370	U
Indeno(1,2,3-cd)pyrene	ND	0 / 30	<	60.4	380	U	<	60.4	360	U	<	60.4	370	U
Isophorone	93 F	1 / 30	<	57	380	U	<	57	360	U	<	57	370	U
Naphthalene	220 F	2 / 30	<	50.5	380	U	<	50.5	360	U	<	50.5	370	U
Nitrobenzene	ND	0 / 30	<	49.8	380	U	<	49.8	360	U	<	49.8	370	U
N-Nitroso-di-n-propylamine	ND	0 / 30	<	54.9	380	U	<	54.9	360	U	<	54.9	370	U
N-Nitrosodiphenylamine	ND	0 / 30	<	50.6	380	U	<	50.6	360	U	<	50.6	370	U
Pentachlorophenol	ND	0 / 30	<	58.7	750	U	<	58.7	720	U	<	58.7	740	U
Phenanthrene	ND	0 / 30	<	58.2	380	U	<	58.2	360	U	<	58.2	370	U
Phenol	ND	0 / 30	<	43	380	U	<	43	360	U	<	43	370	U
Pyrene	ND	0 / 30	<	54.1	380	U	<	54.1	360	U	<	54.1	370	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	4	1	11	F	13	1	11		6.7	1	11	F
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	10	U	<	0.3	11	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	6810	80	273		4920	40	131		5930	80	268	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	<	0.21	0.8	U
Arsenic	3.4	30 / 30	1.9	0.17	0.7		1.9	0.17	0.7		1.7	0.17	0.7	
Barium	1720	30 / 30	343	0.94	11		172	0.05	0.5		252	0.94	11	
Beryllium	0.82	30 / 30	0.41	0.04	0.2		0.25	0.04	0.2		0.25	0.04	0.2	
Cadmium	0.095 F	9 / 30	0.033	0.03	0.6	F	<	0.03	0.5	U	<	0.03	0.6	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB04-018				C11-SB04-025				C11-SB04-030			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Calcium	230000	30 / 30	140000	16	227		81300	8.20	109		154000	16	224	
Chromium	6.8	30 / 30	4.5	0.03	0.6		4.6	0.03	0.5		6.8	0.03	0.6	
Cobalt	3.11	30 / 30	1.6	0.05	0.6		1.1	0.05	0.5		0.81	0.05	0.6	
Copper	3.9	30 / 30	1.8	0.09	0.6		1.7	0.09	0.5		1.9	0.09	0.6	
Iron	7310	30 / 30	5550	33	114		3930	1.63	5		3930	1.63	6	
Lead	8	30 / 30	2.5	0.09	6	F	2.3	0.09	5	F	0.85	0.09	6	F
Magnesium	9260 J	30 / 30	4060	2.41	9		2640	2.41	9		5300	2.41	9	
Manganese	107	30 / 30	63	0.13	0.6		45.5	0.13	0.5		47.4	0.13	0.6	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	5	0.07	0.6		3.8	0.07	0.5		3.9	0.07	0.6	
Potassium	1990	30 / 30	1760	13.88	114		1240	13.88	109		1010	13.88	112	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	9 / 30	<	7.36	114	U	<	7.36	109	U	<	7.36	112	U
Thallium	1.6 F	30 / 30	0.26	0.21	2	F	0.66	0.21	2	F	0.55	0.21	2	F
Vanadium	17.7	30 / 30	13	0.06	0.6		13.4	0.06	0.5		16	0.06	0.6	
Zinc	13.1	30 / 30	8.4	1.15	6		7.6	1.15	5		10.2	1.15	6	

Notes:

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

MDL = Method Detection Limit

RL = Reporting Limit

Qual = Qualifier

ND = Not Detected

J = Estimated

U = Nondetect

UJ = Estimated Nondetect

F = Result between MDL and RL

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB05-009				C11-SB05-018				C11-SB05-024			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,1,2-Tetrachloroethane	ND	0 / 30	<	0.7	4	U	<	0.7	3	U	<	0.7	3	U
1,1,1-Trichloroethane	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
1,1,2,2-Tetrachloroethane	ND	0 / 30	<	1.4	4	U	<	1.4	3	U	<	1.4	3	U
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,1-Dichloroethane	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,1-Dichloroethene	ND	0 / 30	<	0.9	7	U	<	0.9	7	U	<	0.9	7	U
1,1-Dichloropropene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
1,2,3-Trichlorobenzene	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,2,3-Trichloropropane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	6	U
1,2,4-Trichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,2-Dibromo-3-Chloropropane	ND	0 / 30	<	2	10	U	<	2	10	U	<	2	10	U
1,2-Dibromoethane (Ethylene Dibromide)	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
1,2-Dichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
1,2-Dichloroethane	ND	0 / 30	<	0.1	4	U	<	0.1	3	U	<	0.1	3	U
1,2-Dichloroethene (cis)	ND	0 / 30	<	0.25	6	U	<	0.25	6	U	<	0.25	6	U
1,2-Dichloroethene (trans)	ND	0 / 30	<	0.39	6	U	<	0.39	6	U	<	0.39	6	U
1,2-Dichloropropane	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
1,3-Dichlorobenzene	ND	0 / 30	<	0.8	7	U	<	0.8	7	U	<	0.8	7	U
1,3-Dichloropropane	ND	0 / 30	<	0.7	2	U	<	0.7	2	U	<	0.7	2	U
1,4-Dichlorobenzene	ND	0 / 30	<	0.8	2	U	<	0.8	2	U	<	0.8	2	U
2,2-Dichloropropane	ND	0 / 30	<	0.76	6	U	<	0.76	6	U	<	0.76	6	U
2-Chlorotoluene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
4-Chlorotoluene	ND	0 / 30	<	1.2	6	U	<	1.2	6	U	<	1.2	6	U
4-Methyl-2-Pentanone (MIBK)	ND	0 / 30	<	2	20	U	<	2	20	U	<	2	20	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	300	3.2	60	J
Benzene	ND	0 / 30	<	0.72	2	U	<	0.72	2	U	<	0.72	2	U
Bromobenzene	ND	0 / 30	<	0.86	6	U	<	0.86	6	U	<	0.86	6	U
Bromochloromethane	ND	0 / 30	<	0.92	6	U	<	0.92	6	U	<	0.92	6	U
Bromodichloromethane	ND	0 / 30	<	0.78	2	U	<	0.78	2	U	<	0.78	2	U
Bromoform	ND	0 / 30	<	0.91	7	U	<	0.91	7	U	<	0.91	7	U
Bromomethane	ND	0 / 30	<	1.8	10	U	<	1.8	10	U	<	1.8	10	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB05-009				C11-SB05-018				C11-SB05-024			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Carbon Tetrachloride	ND	0 / 30	<	0.9	6	U	<	0.9	6	U	<	0.9	6	U
Chlorobenzene	ND	0 / 30	<	0.56	2	U	<	0.56	2	U	<	0.56	2	U
Chloroethane	ND	0 / 30	<	1.8	6	U	<	1.8	6	U	<	1.8	6	U
Chloroform	ND	0 / 30	<	1.6	2	U	<	1.6	2	U	<	1.6	2	U
Chloromethane	ND	0 / 30	<	2.1	6	U	<	2.1	6	U	<	2.1	6	U
cis-1,3-Dichloropropene	ND	0 / 30	<	0.53	4	U	<	0.53	3	U	<	0.53	3	U
Dibromochloromethane	ND	0 / 30	<	0.97	4	U	<	0.97	3	U	<	0.97	3	U
Dibromomethane	ND	0 / 30	<	0.74	6	U	<	0.74	6	U	<	0.74	6	U
Dichlorodifluoromethane	ND	0 / 30	<	0.94	6	U	<	0.94	6	U	<	0.94	6	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	6	U	<	0.73	6	U
Hexachlorobutadiene	ND	0 / 30	<	0.68	4	U	<	0.68	3	U	<	0.68	3	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	6	U	<	1.3	6	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	6	U	<	0.49	6	U
Methyl Ethyl Ketone (2-Butanone)	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methyl t-Butyl Ether	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methylene Chloride	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
Styrene	ND	0 / 30	<	0.8	6	U	<	0.8	6	U	<	0.8	6	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
Tetrachloroethene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
Toluene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
trans-1,3-Dichloropropene	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
Trichloroethene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
Trichlorofluoromethane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	6	U
Vinyl Chloride	ND	0 / 30	<	1.7	6	U	<	1.7	6	U	<	1.7	6	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2,2-Oxybis(1-chloro)propane	ND	0 / 30	<	47.3	400	U	<	47.3	370	U	<	47.3	370	U
2,4,5-Trichlorophenol	ND	0 / 30	<	60.1	400	U	<	60.1	370	U	<	60.1	370	U
2,4,6-Trichlorophenol	ND	0 / 30	<	48.3	400	U	<	48.3	370	U	<	48.3	370	U
2,4-Dichlorophenol	ND	0 / 30	<	50.5	400	U	<	50.5	370	U	<	50.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB05-009				C11-SB05-018				C11-SB05-024			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
2,4-Dimethylphenol	ND	0 / 30	<	43.9	400	U	<	43.9	370	U	<	43.9	370	U
2,4-Dinitrophenol	ND	0 / 30	<	53.7	790	U	<	53.7	750	U	<	53.7	740	U
2,4-Dinitrotoluene	ND	0 / 30	<	63.8	400	U	<	63.8	370	U	<	63.8	370	U
2,6-Dinitrotoluene	ND	0 / 30	<	60.6	400	U	<	60.6	370	U	<	60.6	370	U
2-Chloronaphthalene	ND	0 / 30	<	52.4	400	U	<	52.4	370	U	<	52.4	370	U
2-Chlorophenol	ND	0 / 30	<	44.3	400	U	<	44.3	370	U	<	44.3	370	U
2-Methylnaphthalene	1000	2 / 30	<	50.4	400	U	<	50.4	370	U	<	50.4	370	U
2-Methylphenol (o-cresol)	ND	0 / 30	<	45.2	400	U	<	45.2	370	U	<	45.2	370	U
2-Nitroaniline	ND	0 / 30	<	62.4	790	U	<	62.4	750	U	<	62.4	740	U
2-Nitrophenol	ND	0 / 30	<	47.8	400	U	<	47.8	370	U	<	47.8	370	U
3,3-Dichlorobenzidine	ND	0 / 30	<	56.3	790	U	<	56.3	750	U	<	56.3	740	U
3-Nitroaniline	ND	0 / 30	<	61.1	790	U	<	61.1	750	U	<	61.1	740	U
4,6-Dinitro-2-methylphenol	ND	0 / 30	<	56.4	790	U	<	56.4	750	U	<	56.4	740	U
4-Bromophenyl-phenylether	ND	0 / 30	<	56.6	400	U	<	56.6	370	U	<	56.6	370	U
4-Chloro-3-methylphenol	ND	0 / 30	<	58.8	400	U	<	58.8	370	U	<	58.8	370	U
4-Chloroaniline	ND	0 / 30	<	16.5	790	U	<	16.5	750	U	<	16.5	740	U
4-Chlorophenyl-phenylether	ND	0 / 30	<	60.7	400	U	<	60.7	370	U	<	60.7	370	U
4-Methylphenol (p-cresol)	ND	0 / 30	<	46.4	400	U	<	46.4	370	U	<	46.4	370	U
4-Nitroaniline	ND	0 / 30	<	72.8	400	U	<	72.8	370	U	<	72.8	370	U
4-Nitrophenol	ND	0 / 30	<	59.8	790	U	<	59.8	750	U	<	59.8	740	U
Acenaphthene	ND	0 / 30	<	53.8	400	U	<	53.8	370	U	<	53.8	370	U
Acenaphthylene	ND	0 / 30	<	53.1	400	U	<	53.1	370	U	<	53.1	370	U
Acetophenone	ND	0 / 30	<	90	400	U	<	90	370	U	<	90	370	U
Anthracene	ND	0 / 30	<	61.3	400	U	<	61.3	370	U	<	61.3	370	U
Atrazine	ND	0 / 30	<	90	400	U	<	90	370	U	<	90	370	U
Benzo(a)anthracene	ND	0 / 30	<	58	400	U	<	58	370	U	<	58	370	U
Benzo(a)pyrene	ND	0 / 30	<	50.7	400	U	<	50.7	370	U	<	50.7	370	U
Benzo(b)fluoranthene	ND	0 / 30	<	60	400	U	<	60	370	U	<	60	370	U
Benzo(g,h,i)perylene	ND	0 / 30	<	55.2	400	U	<	55.2	370	U	<	55.2	370	U
Benzo(k)fluoranthene	ND	0 / 30	<	61	400	U	<	61	370	U	<	61	370	U
Biphenyl (diphenyl)	300 F	2 / 30	<	90	400	U	<	90	370	U	<	90	370	U
bis(2-Chloroethoxy)methane	ND	0 / 30	<	49.9	400	U	<	49.9	370	U	<	49.9	370	U
bis(2-Chloroethyl)ether	ND	0 / 30	<	50	400	U	<	50	370	U	<	50	370	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	400	U	<	61.6	370	U	<	61.6	370	U
Butylbenzylphthalate	ND	0 / 30	<	55.5	400	U	<	55.5	370	U	<	55.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB05-009				C11-SB05-018				C11-SB05-024			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Caprolactam	3800	5 / 30	<	90	400	U	<	90	370	U	<	90	370	U
Carbazole	ND	0 / 30	<	81.6	400	U	<	81.6	370	U	<	81.6	370	U
Chrysene	ND	0 / 30	<	60.6	400	U	<	60.6	370	U	<	60.6	370	U
Dibenz(a,h)anthracene	ND	0 / 30	<	59.4	400	U	<	59.4	370	U	<	59.4	370	U
Dibenzofuran	ND	0 / 30	<	57.3	400	U	<	57.3	370	U	<	57.3	370	U
Diethylphthalate	ND	0 / 30	<	62.1	400	U	<	62.1	370	U	<	62.1	370	U
Dimethylphthalate	ND	0 / 30	<	63.3	400	U	<	63.3	370	U	<	63.3	370	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	400	U	<	65.9	370	U	4500	329.5	1800	
Di-n-octylphthalate	ND	0 / 30	<	58.4	400	U	<	58.4	370	U	<	58.4	370	U
Fluoranthene	ND	0 / 30	<	65.4	400	U	<	65.4	370	U	<	65.4	370	U
Fluorene	ND	0 / 30	<	61.3	400	U	<	61.3	370	U	<	61.3	370	U
Hexachlorobenzene	ND	0 / 30	<	60.3	400	U	<	60.3	370	U	<	60.3	370	U
Hexachlorobutadiene	ND	0 / 30	<	51.7	400	U	<	51.7	370	U	<	51.7	370	U
Hexachlorocyclopentadiene	ND	0 / 30	<	44	400	U	<	44	370	U	<	44	370	U
Hexachloroethane	ND	0 / 30	<	49.9	400	U	<	49.9	370	U	<	49.9	370	U
Indeno(1,2,3-cd)pyrene	ND	0 / 30	<	60.4	400	U	<	60.4	370	U	<	60.4	370	U
Isophorone	93 F	1 / 30	<	57	400	U	<	57	370	U	<	57	370	U
Naphthalene	220 F	2 / 30	<	50.5	400	U	<	50.5	370	U	<	50.5	370	U
Nitrobenzene	ND	0 / 30	<	49.8	400	U	<	49.8	370	U	<	49.8	370	U
N-Nitroso-di-n-propylamine	ND	0 / 30	<	54.9	400	U	<	54.9	370	U	<	54.9	370	U
N-Nitrosodiphenylamine	ND	0 / 30	<	50.6	400	U	<	50.6	370	U	<	50.6	370	U
Pentachlorophenol	ND	0 / 30	<	58.7	790	U	<	58.7	750	U	<	58.7	740	U
Phenanthrene	ND	0 / 30	<	58.2	400	U	<	58.2	370	U	<	58.2	370	U
Phenol	ND	0 / 30	<	43	400	U	<	43	370	U	<	43	370	U
Pyrene	ND	0 / 30	<	54.1	400	U	<	54.1	370	U	<	54.1	370	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	<	1	12	U	<	1	11	U	<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	1	U	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	3840	4.01	14		6600	80	272		6160	40	134	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	<	0.21	0.8	U
Arsenic	3.4	30 / 30	1.9	0.17	0.7		2	0.17	0.7		2.6	0.17	0.7	
Barium	1720	30 / 30	169	0.05	0.6		152	0.05	0.6		66.4	0.05	0.6	
Beryllium	0.82	30 / 30	0.23	0.04	0.2		0.39	0.04	0.2		0.38	0.04	0.2	
Cadmium	0.095 F	9 / 30	0.05	0.03	0.6	F	<	0.03	0.6	U	<	0.03	0.6	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB05-009				C11-SB05-018				C11-SB05-024			
DATE COLLECTED			May 15, 2007				May 15, 2007				May 15, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Calcium	230000	30 / 30	211000	33	480		92600	16	227		77100	8.2	111	
Chromium	6.8	30 / 30	3	0.03	0.6		6	0.03	0.6		6.1	0.03	0.6	
Cobalt	3.11	30 / 30	1.1	0.05	0.6		2.3	0.05	0.6		2	0.05	0.6	
Copper	3.9	30 / 30	1.7	0.09	0.6		2.8	0.09	0.6		2.8	0.09	0.6	
Iron	7310	30 / 30	2810	1.63	6		6510	33	113		6290	16	56	
Lead	8	30 / 30	0.41	0.09	6	F	3.4	0.09	6	F	3.7	0.09	6	F
Magnesium	9260 J	30 / 30	2270	2.41	10		3910	2.41	9		3570	2.41	9	
Manganese	107	30 / 30	30	0.13	0.6		77.6	0.13	0.6		72.8	0.13	0.6	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	3.2	0.07	0.6		6.3	0.07	0.6		5.6	0.07	0.6	
Potassium	1990	30 / 30	768	13.88	120		1780	13.88	113		1770	13.88	111	
Selenium	0.31 F	2 / 30	<	0.24	1	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	9 / 30	<	7.36	120	U	<	7.36	113	U	<	7.36	111	U
Thallium	1.6 F	30 / 30	0.49	0.21	2	F	0.6	0.21	2	F	0.6	0.21	2	F
Vanadium	17.7	30 / 30	8.4	0.06	0.6		13.4	0.06	0.6		16.1	0.06	0.6	
Zinc	13.1	30 / 30	7.1	1.15	6		11.8	1.15	6		10.5	1.15	6	

Notes:

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

MDL = Method Detection Limit

RL = Reporting Limit

Qual = Qualifier

ND = Not Detected

J = Estimated

U = Nondetect

UJ = Estimated Nondetect

F = Result between MDL and RL

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB06-008				C11-SB06-015				C11-SB06-024			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,1,2-Tetrachloroethane	ND	0 / 30	<	0.7	4	U	<	0.7	3	U	<	0.7	3	U
1,1,1-Trichloroethane	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
1,1,2,2-Tetrachloroethane	ND	0 / 30	<	1.4	4	U	<	1.4	3	U	<	1.4	3	U
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	5	U
1,1-Dichloroethane	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	5	U
1,1-Dichloroethene	ND	0 / 30	<	0.9	7	U	<	0.9	7	U	<	0.9	7	U
1,1-Dichloropropene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
1,2,3-Trichlorobenzene	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	5	U
1,2,3-Trichloropropane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	5	U
1,2,4-Trichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,2-Dibromo-3-Chloropropane	ND	0 / 30	<	2	10	U	<	2	10	U	<	2	10	U
1,2-Dibromoethane (Ethylene Dibromide)	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
1,2-Dichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
1,2-Dichloroethane	ND	0 / 30	<	0.1	4	U	<	0.1	3	U	<	0.1	3	U
1,2-Dichloroethene (cis)	ND	0 / 30	<	0.25	6	U	<	0.25	6	U	<	0.25	5	U
1,2-Dichloroethene (trans)	ND	0 / 30	<	0.39	6	U	<	0.39	6	U	<	0.39	5	U
1,2-Dichloropropane	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
1,3-Dichlorobenzene	ND	0 / 30	<	0.8	7	U	<	0.8	7	U	<	0.8	7	U
1,3-Dichloropropane	ND	0 / 30	<	0.7	2	U	<	0.7	2	U	<	0.7	2	U
1,4-Dichlorobenzene	ND	0 / 30	<	0.8	2	U	<	0.8	2	U	<	0.8	2	U
2,2-Dichloropropane	ND	0 / 30	<	0.76	6	U	<	0.76	6	U	<	0.76	5	U
2-Chlorotoluene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
4-Chlorotoluene	ND	0 / 30	<	1.2	6	U	<	1.2	6	U	<	1.2	5	U
4-Methyl-2-Pentanone (MIBK)	ND	0 / 30	<	2	20	U	<	2	20	U	<	2	20	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	<	3.2	60	U
Benzene	ND	0 / 30	<	0.72	2	U	<	0.72	2	U	<	0.72	2	U
Bromobenzene	ND	0 / 30	<	0.86	6	U	<	0.86	6	U	<	0.86	5	U
Bromochloromethane	ND	0 / 30	<	0.92	6	U	<	0.92	6	U	<	0.92	5	U
Bromodichloromethane	ND	0 / 30	<	0.78	2	U	<	0.78	2	U	<	0.78	2	U
Bromoform	ND	0 / 30	<	0.91	7	U	<	0.91	7	U	<	0.91	7	U
Bromomethane	ND	0 / 30	<	1.8	10	U	<	1.8	10	U	<	1.8	10	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB06-008				C11-SB06-015				C11-SB06-024			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Carbon Tetrachloride	ND	0 / 30	<	0.9	6	U	<	0.9	6	U	<	0.9	5	U
Chlorobenzene	ND	0 / 30	<	0.56	2	U	<	0.56	2	U	<	0.56	2	U
Chloroethane	ND	0 / 30	<	1.8	6	U	<	1.8	6	U	<	1.8	5	U
Chloroform	ND	0 / 30	<	1.6	2	U	<	1.6	2	U	<	1.6	2	U
Chloromethane	ND	0 / 30	<	2.1	6	U	<	2.1	6	U	<	2.1	5	U
cis-1,3-Dichloropropene	ND	0 / 30	<	0.53	4	U	<	0.53	3	U	<	0.53	3	U
Dibromochloromethane	ND	0 / 30	<	0.97	4	U	<	0.97	3	U	<	0.97	3	U
Dibromomethane	ND	0 / 30	<	0.74	6	U	<	0.74	6	U	<	0.74	5	U
Dichlorodifluoromethane	ND	0 / 30	<	0.94	6	U	<	0.94	6	U	<	0.94	5	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	6	U	<	0.73	5	U
Hexachlorobutadiene	ND	0 / 30	<	0.68	4	U	<	0.68	3	U	<	0.68	3	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	6	U	<	1.3	5	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	6	U	<	0.49	5	U
Methyl Ethyl Ketone (2-Butanone)	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methyl t-Butyl Ether	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methylene Chloride	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
Styrene	ND	0 / 30	<	0.8	6	U	<	0.8	6	U	<	0.8	5	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
Tetrachloroethene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	5	U
Toluene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	5	U
trans-1,3-Dichloropropene	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	5	U
Trichloroethene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	5	U
Trichlorofluoromethane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	5	U
Vinyl Chloride	ND	0 / 30	<	1.7	6	U	<	1.7	6	U	<	1.7	5	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2,2-Oxybis(1-chloro)propane	ND	0 / 30	<	47.3	390	U	<	47.3	380	U	<	47.3	360	U
2,4,5-Trichlorophenol	ND	0 / 30	<	60.1	390	U	<	60.1	380	U	<	60.1	360	U
2,4,6-Trichlorophenol	ND	0 / 30	<	48.3	390	U	<	48.3	380	U	<	48.3	360	U
2,4-Dichlorophenol	ND	0 / 30	<	50.5	390	U	<	50.5	380	U	<	50.5	360	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB06-008				C11-SB06-015				C11-SB06-024			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
2,4-Dimethylphenol	ND	0 / 30	<	43.9	390	U	<	43.9	380	U	<	43.9	360	U
2,4-Dinitrophenol	ND	0 / 30	<	53.7	780	U	<	53.7	760	U	<	53.7	720	U
2,4-Dinitrotoluene	ND	0 / 30	<	63.8	390	U	<	63.8	380	U	<	63.8	360	U
2,6-Dinitrotoluene	ND	0 / 30	<	60.6	390	U	<	60.6	380	U	<	60.6	360	U
2-Chloronaphthalene	ND	0 / 30	<	52.4	390	U	<	52.4	380	U	<	52.4	360	U
2-Chlorophenol	ND	0 / 30	<	44.3	390	U	<	44.3	380	U	<	44.3	360	U
2-Methylnaphthalene	1000	2 / 30	<	50.4	390	U	<	50.4	380	U	<	50.4	360	U
2-Methylphenol (o-cresol)	ND	0 / 30	<	45.2	390	U	<	45.2	380	U	<	45.2	360	U
2-Nitroaniline	ND	0 / 30	<	62.4	780	U	<	62.4	760	U	<	62.4	720	U
2-Nitrophenol	ND	0 / 30	<	47.8	390	U	<	47.8	380	U	<	47.8	360	U
3,3-Dichlorobenzidine	ND	0 / 30	<	56.3	780	U	<	56.3	760	U	<	56.3	720	U
3-Nitroaniline	ND	0 / 30	<	61.1	780	U	<	61.1	760	U	<	61.1	720	U
4,6-Dinitro-2-methylphenol	ND	0 / 30	<	56.4	780	U	<	56.4	760	U	<	56.4	720	U
4-Bromophenyl-phenylether	ND	0 / 30	<	56.6	390	U	<	56.6	380	U	<	56.6	360	U
4-Chloro-3-methylphenol	ND	0 / 30	<	58.8	390	U	<	58.8	380	U	<	58.8	360	U
4-Chloroaniline	ND	0 / 30	<	16.5	780	U	<	16.5	760	U	<	16.5	720	U
4-Chlorophenyl-phenylether	ND	0 / 30	<	60.7	390	U	<	60.7	380	U	<	60.7	360	U
4-Methylphenol (p-cresol)	ND	0 / 30	<	46.4	390	U	<	46.4	380	U	<	46.4	360	U
4-Nitroaniline	ND	0 / 30	<	72.8	390	U	<	72.8	380	U	<	72.8	360	U
4-Nitrophenol	ND	0 / 30	<	59.8	780	U	<	59.8	760	U	<	59.8	720	U
Acenaphthene	ND	0 / 30	<	53.8	390	U	<	53.8	380	U	<	53.8	360	U
Acenaphthylene	ND	0 / 30	<	53.1	390	U	<	53.1	380	U	<	53.1	360	U
Acetophenone	ND	0 / 30	<	90	390	U	<	90	380	U	<	90	360	U
Anthracene	ND	0 / 30	<	61.3	390	U	<	61.3	380	U	<	61.3	360	U
Atrazine	ND	0 / 30	<	90	390	U	<	90	380	U	<	90	360	U
Benzo(a)anthracene	ND	0 / 30	<	58	390	U	<	58	380	U	<	58	360	U
Benzo(a)pyrene	ND	0 / 30	<	50.7	390	U	<	50.7	380	U	<	50.7	360	U
Benzo(b)fluoranthene	ND	0 / 30	<	60	390	U	<	60	380	U	<	60	360	U
Benzo(g,h,i)perylene	ND	0 / 30	<	55.2	390	U	<	55.2	380	U	<	55.2	360	U
Benzo(k)fluoranthene	ND	0 / 30	<	61	390	U	<	61	380	U	<	61	360	U
Biphenyl (diphenyl)	300 F	2 / 30	<	90	390	U	<	90	380	U	<	90	360	U
bis(2-Chloroethoxy)methane	ND	0 / 30	<	49.9	390	U	<	49.9	380	U	<	49.9	360	U
bis(2-Chloroethyl)ether	ND	0 / 30	<	50	390	U	<	50	380	U	<	50	360	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	390	U	<	61.6	380	U	<	61.6	360	U
Butylbenzylphthalate	ND	0 / 30	<	55.5	390	U	<	55.5	380	U	<	55.5	360	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB06-008				C11-SB06-015				C11-SB06-024			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Caprolactam	3800	5 / 30	<	90	390	U	<	90	380	U	<	90	360	U
Carbazole	ND	0 / 30	<	81.6	390	U	<	81.6	380	U	<	81.6	360	U
Chrysene	ND	0 / 30	<	60.6	390	U	<	60.6	380	U	<	60.6	360	U
Dibenz(a,h)anthracene	ND	0 / 30	<	59.4	390	U	<	59.4	380	U	<	59.4	360	U
Dibenzofuran	ND	0 / 30	<	57.3	390	U	<	57.3	380	U	<	57.3	360	U
Diethylphthalate	ND	0 / 30	<	62.1	390	U	<	62.1	380	U	<	62.1	360	U
Dimethylphthalate	ND	0 / 30	<	63.3	390	U	<	63.3	380	U	<	63.3	360	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	390	U	<	65.9	380	U	<	65.9	360	U
Di-n-octylphthalate	ND	0 / 30	<	58.4	390	U	<	58.4	380	U	<	58.4	360	U
Fluoranthene	ND	0 / 30	<	65.4	390	U	<	65.4	380	U	<	65.4	360	U
Fluorene	ND	0 / 30	<	61.3	390	U	<	61.3	380	U	<	61.3	360	U
Hexachlorobenzene	ND	0 / 30	<	60.3	390	U	<	60.3	380	U	<	60.3	360	U
Hexachlorobutadiene	ND	0 / 30	<	51.7	390	U	<	51.7	380	U	<	51.7	360	U
Hexachlorocyclopentadiene	ND	0 / 30	<	44	390	U	<	44	380	U	<	44	360	U
Hexachloroethane	ND	0 / 30	<	49.9	390	U	<	49.9	380	U	<	49.9	360	U
Indeno(1,2,3-cd)pyrene	ND	0 / 30	<	60.4	390	U	<	60.4	380	U	<	60.4	360	U
Isophorone	93 F	1 / 30	<	57	390	U	<	57	380	U	<	57	360	U
Naphthalene	220 F	2 / 30	<	50.5	390	U	<	50.5	380	U	<	50.5	360	U
Nitrobenzene	ND	0 / 30	<	49.8	390	U	<	49.8	380	U	<	49.8	360	U
N-Nitroso-di-n-propylamine	ND	0 / 30	<	54.9	390	U	<	54.9	380	U	<	54.9	360	U
N-Nitrosodiphenylamine	ND	0 / 30	<	50.6	390	U	<	50.6	380	U	<	50.6	360	U
Pentachlorophenol	ND	0 / 30	<	58.7	780	U	<	58.7	760	U	<	58.7	720	U
Phenanthrene	ND	0 / 30	<	58.2	390	U	<	58.2	380	U	<	58.2	360	U
Phenol	ND	0 / 30	<	43	390	U	<	43	380	U	<	43	360	U
Pyrene	ND	0 / 30	<	54.1	390	U	<	54.1	380	U	<	54.1	360	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	<	1	12	U	<	1	11	U	<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	1	U	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	4980	160	570		6830	80	275		3470	4.01	13	
Antimony	1.9	4 / 30	<	0.21	1.5	U	1.9	0.21	0.8		<	0.21	0.8	U
Arsenic	3.4	30 / 30	2.7	0.17	0.7		2.7	0.17	0.7		1.9	0.17	0.7	
Barium	1720	30 / 30	103	0.05	0.6		1160	0.94	11		84.1	0.05	0.6	
Beryllium	0.82	30 / 30	0.26	0.04	0.2		0.47	0.04	0.2		0.28	0.04	0.2	
Cadmium	0.095 F	9 / 30	0.062	0.03	0.6	F	<	0.03	0.6	U	<	0.03	0.6	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB06-008				C11-SB06-015				C11-SB06-024			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Calcium	230000	30 / 30	202000	33	475		183000	16	229		57000	8.2	109	
Chromium	6.8	30 / 30	3.6	0.03	0.6		4.8	0.03	0.6		4	0.03	0.6	
Cobalt	3.11	30 / 30	1.4	0.05	0.6		1.6	0.05	0.6		1.5	0.05	0.6	
Copper	3.9	30 / 30	2.3	0.09	0.6		1.9	0.09	0.6		2	0.09	0.6	
Iron	7310	30 / 30	3290	1.63	6		5740	33	115		3760	1.63	6	
Lead	8	30 / 30	0.71	0.09	6	F	2.5	0.09	6	F	3	0.09	6	F
Magnesium	9260 J	30 / 30	2580	2.41	10		4700	2.41	9		2220	2.41	9	
Manganese	107	30 / 30	32.7	0.13	0.6		56.2	0.13	0.6		46.8	0.13	0.6	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	4.3	0.07	0.6		6	0.07	0.6		3.8	0.07	0.6	
Potassium	1990	30 / 30	872	13.88	119		1750	13.88	115		1110	13.88	109	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	9 / 30	<	7.36	119	U	<	7.36	115	U	51.3	7.36	109	F
Thallium	1.6 F	30 / 30	0.32	0.21	2	F	<	0.21	2	U	0.83	0.21	2	F
Vanadium	17.7	30 / 30	9.9	0.06	0.6		14.5	0.06	0.6		13	0.06	0.6	
Zinc	13.1	30 / 30	6.8	1.15	6		10.4	1.15	6		7.2	1.15	6	

Notes:

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

MDL = Method Detection Limit

RL = Reporting Limit

Qual = Qualifier

ND = Not Detected

J = Estimated

U = Nondetect

UJ = Estimated Nondetect

F = Result between MDL and RL

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB07-018				C11-SB07-024				C11-SB07-034			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,1,2-Tetrachloroethane	ND	0 / 30	<	0.7	3	U	<	0.7	3	U	<	0.7	3	U
1,1,1-Trichloroethane	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
1,1,2,2-Tetrachloroethane	ND	0 / 30	<	1.4	3	U	<	1.4	3	U	<	1.4	3	U
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,1-Dichloroethane	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,1-Dichloroethene	ND	0 / 30	<	0.9	7	U	<	0.9	7	U	<	0.9	7	U
1,1-Dichloropropene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
1,2,3-Trichlorobenzene	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,2,3-Trichloropropane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	6	U
1,2,4-Trichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,2-Dibromo-3-Chloropropane	ND	0 / 30	<	2	10	U	<	2	10	U	<	2	10	U
1,2-Dibromoethane (Ethylene Dibromide)	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
1,2-Dichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
1,2-Dichloroethane	ND	0 / 30	<	0.1	3	U	<	0.1	3	U	<	0.1	3	U
1,2-Dichloroethene (cis)	ND	0 / 30	<	0.25	6	U	<	0.25	6	U	<	0.25	6	U
1,2-Dichloroethene (trans)	ND	0 / 30	<	0.39	6	U	<	0.39	6	U	<	0.39	6	U
1,2-Dichloropropane	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
1,3-Dichlorobenzene	ND	0 / 30	<	0.8	7	U	<	0.8	7	U	<	0.8	7	U
1,3-Dichloropropane	ND	0 / 30	<	0.7	2	U	<	0.7	2	U	<	0.7	2	U
1,4-Dichlorobenzene	ND	0 / 30	<	0.8	2	U	<	0.8	2	U	<	0.8	2	U
2,2-Dichloropropane	ND	0 / 30	<	0.76	6	U	<	0.76	6	U	<	0.76	6	U
2-Chlorotoluene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
4-Chlorotoluene	ND	0 / 30	<	1.2	6	U	<	1.2	6	U	<	1.2	6	U
4-Methyl-2-Pentanone (MIBK)	ND	0 / 30	<	2	20	U	<	2	20	U	<	2	20	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	<	3.2	60	U
Benzene	ND	0 / 30	<	0.72	2	U	<	0.72	2	U	<	0.72	2	U
Bromobenzene	ND	0 / 30	<	0.86	6	U	<	0.86	6	U	<	0.86	6	U
Bromochloromethane	ND	0 / 30	<	0.92	6	U	<	0.92	6	U	<	0.92	6	U
Bromodichloromethane	ND	0 / 30	<	0.78	2	U	<	0.78	2	U	<	0.78	2	U
Bromoform	ND	0 / 30	<	0.91	7	U	<	0.91	7	U	<	0.91	7	U
Bromomethane	ND	0 / 30	<	1.8	10	U	<	1.8	10	U	<	1.8	10	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB07-018				C11-SB07-024				C11-SB07-034			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Carbon Tetrachloride	ND	0 / 30	<	0.9	6	U	<	0.9	6	U	<	0.9	6	U
Chlorobenzene	ND	0 / 30	<	0.56	2	U	<	0.56	2	U	<	0.56	2	U
Chloroethane	ND	0 / 30	<	1.8	6	U	<	1.8	6	U	<	1.8	6	U
Chloroform	ND	0 / 30	<	1.6	2	U	<	1.6	2	U	<	1.6	2	U
Chloromethane	ND	0 / 30	<	2.1	6	U	<	2.1	6	U	<	2.1	6	U
cis-1,3-Dichloropropene	ND	0 / 30	<	0.53	3	U	<	0.53	3	U	<	0.53	3	U
Dibromochloromethane	ND	0 / 30	<	0.97	3	U	<	0.97	3	U	<	0.97	3	U
Dibromomethane	ND	0 / 30	<	0.74	6	U	<	0.74	6	U	<	0.74	6	U
Dichlorodifluoromethane	ND	0 / 30	<	0.94	6	U	<	0.94	6	U	<	0.94	6	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	6	U	<	0.73	6	U
Hexachlorobutadiene	ND	0 / 30	<	0.68	3	U	<	0.68	3	U	<	0.68	3	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	6	U	<	1.3	6	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	6	U	<	0.49	6	U
Methyl Ethyl Ketone (2-Butanone)	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methyl t-Butyl Ether	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methylene Chloride	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
Styrene	ND	0 / 30	<	0.8	6	U	<	0.8	6	U	<	0.8	6	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
Tetrachloroethene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
Toluene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
trans-1,3-Dichloropropene	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
Trichloroethene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
Trichlorofluoromethane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	6	U
Vinyl Chloride	ND	0 / 30	<	1.7	6	U	<	1.7	6	U	<	1.7	6	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2,2-Oxybis(1-chloro)propane	ND	0 / 30	<	47.3	380	U	<	47.3	370	U	<	47.3	370	U
2,4,5-Trichlorophenol	ND	0 / 30	<	60.1	380	U	<	60.1	370	U	<	60.1	370	U
2,4,6-Trichlorophenol	ND	0 / 30	<	48.3	380	U	<	48.3	370	U	<	48.3	370	U
2,4-Dichlorophenol	ND	0 / 30	<	50.5	380	U	<	50.5	370	U	<	50.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB07-018				C11-SB07-024				C11-SB07-034			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
2,4-Dimethylphenol	ND	0 / 30	<	43.9	380	U	<	43.9	370	U	<	43.9	370	U
2,4-Dinitrophenol	ND	0 / 30	<	53.7	760	U	<	53.7	740	U	<	53.7	740	U
2,4-Dinitrotoluene	ND	0 / 30	<	63.8	380	U	<	63.8	370	U	<	63.8	370	U
2,6-Dinitrotoluene	ND	0 / 30	<	60.6	380	U	<	60.6	370	U	<	60.6	370	U
2-Chloronaphthalene	ND	0 / 30	<	52.4	380	U	<	52.4	370	U	<	52.4	370	U
2-Chlorophenol	ND	0 / 30	<	44.3	380	U	<	44.3	370	U	<	44.3	370	U
2-Methylnaphthalene	1000	2 / 30	<	50.4	380	U	<	50.4	370	U	<	50.4	370	U
2-Methylphenol (o-cresol)	ND	0 / 30	<	45.2	380	U	<	45.2	370	U	<	45.2	370	U
2-Nitroaniline	ND	0 / 30	<	62.4	760	U	<	62.4	740	U	<	62.4	740	U
2-Nitrophenol	ND	0 / 30	<	47.8	380	U	<	47.8	370	U	<	47.8	370	U
3,3-Dichlorobenzidine	ND	0 / 30	<	56.3	760	U	<	56.3	740	U	<	56.3	740	U
3-Nitroaniline	ND	0 / 30	<	61.1	760	U	<	61.1	740	U	<	61.1	740	U
4,6-Dinitro-2-methylphenol	ND	0 / 30	<	56.4	760	U	<	56.4	740	U	<	56.4	740	U
4-Bromophenyl-phenylether	ND	0 / 30	<	56.6	380	U	<	56.6	370	U	<	56.6	370	U
4-Chloro-3-methylphenol	ND	0 / 30	<	58.8	380	U	<	58.8	370	U	<	58.8	370	U
4-Chloroaniline	ND	0 / 30	<	16.5	760	U	<	16.5	740	U	<	16.5	740	U
4-Chlorophenyl-phenylether	ND	0 / 30	<	60.7	380	U	<	60.7	370	U	<	60.7	370	U
4-Methylphenol (p-cresol)	ND	0 / 30	<	46.4	380	U	<	46.4	370	U	<	46.4	370	U
4-Nitroaniline	ND	0 / 30	<	72.8	380	U	<	72.8	370	U	<	72.8	370	U
4-Nitrophenol	ND	0 / 30	<	59.8	760	U	<	59.8	740	U	<	59.8	740	U
Acenaphthene	ND	0 / 30	<	53.8	380	U	<	53.8	370	U	<	53.8	370	U
Acenaphthylene	ND	0 / 30	<	53.1	380	U	<	53.1	370	U	<	53.1	370	U
Acetophenone	ND	0 / 30	<	90	380	U	<	90	370	U	<	90	370	U
Anthracene	ND	0 / 30	<	61.3	380	U	<	61.3	370	U	<	61.3	370	U
Atrazine	ND	0 / 30	<	90	380	U	<	90	370	U	<	90	370	U
Benzo(a)anthracene	ND	0 / 30	<	58	380	U	<	58	370	U	<	58	370	U
Benzo(a)pyrene	ND	0 / 30	<	50.7	380	U	<	50.7	370	U	<	50.7	370	U
Benzo(b)fluoranthene	ND	0 / 30	<	60	380	U	<	60	370	U	<	60	370	U
Benzo(g,h,i)perylene	ND	0 / 30	<	55.2	380	U	<	55.2	370	U	<	55.2	370	U
Benzo(k)fluoranthene	ND	0 / 30	<	61	380	U	<	61	370	U	<	61	370	U
Biphenyl (diphenyl)	300 F	2 / 30	<	90	380	U	<	90	370	U	<	90	370	U
bis(2-Chloroethoxy)methane	ND	0 / 30	<	49.9	380	U	<	49.9	370	U	<	49.9	370	U
bis(2-Chloroethyl)ether	ND	0 / 30	<	50	380	U	<	50	370	U	<	50	370	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	380	U	<	61.6	370	U	<	61.6	370	U
Butylbenzylphthalate	ND	0 / 30	<	55.5	380	U	<	55.5	370	U	<	55.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB07-018				C11-SB07-024				C11-SB07-034			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Caprolactam	3800	5 / 30	<	90	380	U	<	90	370	U	<	90	370	U
Carbazole	ND	0 / 30	<	81.6	380	U	<	81.6	370	U	<	81.6	370	U
Chrysene	ND	0 / 30	<	60.6	380	U	<	60.6	370	U	<	60.6	370	U
Dibenz(a,h)anthracene	ND	0 / 30	<	59.4	380	U	<	59.4	370	U	<	59.4	370	U
Dibenzofuran	ND	0 / 30	<	57.3	380	U	<	57.3	370	U	<	57.3	370	U
Diethylphthalate	ND	0 / 30	<	62.1	380	U	<	62.1	370	U	<	62.1	370	U
Dimethylphthalate	ND	0 / 30	<	63.3	380	U	<	63.3	370	U	<	63.3	370	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	380	U	<	65.9	370	U	<	65.9	370	U
Di-n-octylphthalate	ND	0 / 30	<	58.4	380	U	<	58.4	370	U	<	58.4	370	U
Fluoranthene	ND	0 / 30	<	65.4	380	U	<	65.4	370	U	<	65.4	370	U
Fluorene	ND	0 / 30	<	61.3	380	U	<	61.3	370	U	<	61.3	370	U
Hexachlorobenzene	ND	0 / 30	<	60.3	380	U	<	60.3	370	U	<	60.3	370	U
Hexachlorobutadiene	ND	0 / 30	<	51.7	380	U	<	51.7	370	U	<	51.7	370	U
Hexachlorocyclopentadiene	ND	0 / 30	<	44	380	U	<	44	370	U	<	44	370	U
Hexachloroethane	ND	0 / 30	<	49.9	380	U	<	49.9	370	U	<	49.9	370	U
Indeno(1,2,3-cd)pyrene	ND	0 / 30	<	60.4	380	U	<	60.4	370	U	<	60.4	370	U
Isophorone	93 F	1 / 30	<	57	380	U	<	57	370	U	<	57	370	U
Naphthalene	220 F	2 / 30	<	50.5	380	U	<	50.5	370	U	<	50.5	370	U
Nitrobenzene	ND	0 / 30	<	49.8	380	U	<	49.8	370	U	<	49.8	370	U
N-Nitroso-di-n-propylamine	ND	0 / 30	<	54.9	380	U	<	54.9	370	U	<	54.9	370	U
N-Nitrosodiphenylamine	ND	0 / 30	<	50.6	380	U	<	50.6	370	U	<	50.6	370	U
Pentachlorophenol	ND	0 / 30	<	58.7	760	U	<	58.7	740	U	<	58.7	740	U
Phenanthrene	ND	0 / 30	<	58.2	380	U	<	58.2	370	U	<	58.2	370	U
Phenol	ND	0 / 30	<	43	380	U	<	43	370	U	<	43	370	U
Pyrene	ND	0 / 30	<	54.1	380	U	<	54.1	370	U	<	54.1	370	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	<	1	11	U	<	1	11	U	<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	<	0.3	1	U	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	7460	20	69		6740	80	268		6330	40	135	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	<	0.21	0.8	U
Arsenic	3.4	30 / 30	2.8	0.17	0.7		2.3	0.17	0.7		0.98	0.17	0.7	
Barium	1720	30 / 30	70.7	0.05	0.6		111	0.05	0.6		28.8	0.05	0.6	
Beryllium	0.82	30 / 30	0.82	0.04	0.2		0.37	0.04	0.2		0.22	0.04	0.2	
Cadmium	0.095 F	9 / 30	<	0.03	0.6	U	<	0.03	0.6	U	<	0.03	0.6	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB07-018				C11-SB07-024				C11-SB07-034			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Calcium	230000	30 / 30	23100	4.1	57		101000	16	223		51500	8.2	112	
Chromium	6.8	30 / 30	6.5	0.03	0.6		5.9	0.03	0.6		4.7	0.03	0.6	
Cobalt	3.11	30 / 30	3.1	0.05	0.6		1.7	0.05	0.6		1.2	0.05	0.6	
Copper	3.9	30 / 30	3.9	0.09	0.6		2.3	0.09	0.6		1.5	0.09	0.6	
Iron	7310	30 / 30	7310	8.2	29		5990	33	112		3690	1.63	6	
Lead	8	30 / 30	8	0.09	6		2.8	0.09	6	F	1.8	0.09	6	F
Magnesium	9260 J	30 / 30	3700	2.41	9		3950	2.41	9		7260	2.41	9	
Manganese	107	30 / 30	107	0.13	0.6		57.1	0.13	0.6		31.6	0.13	0.6	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	7.1	0.07	0.6		5.4	0.07	0.6		4	0.07	0.6	
Potassium	1990	30 / 30	1990	13.88	115		1790	13.88	112		1060	13.88	112	
Selenium	0.31 F	2 / 30	0.28	0.24	0.9		<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	9 / 30	51.7	7.36	115	F	<	7.36	112	U	16.6	7.36	112	F
Thallium	1.6 F	30 / 30	1	0.21	2	F	0.65	0.21	2	F	1.6	0.21	2	F
Vanadium	17.7	30 / 30	17.7	0.06	0.6		14.3	0.06	0.6		13.8	0.06	0.6	
Zinc	13.1	30 / 30	13.1	1.15	6		10	1.15	6		7.3	1.15	6	

Notes:

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

MDL = Method Detection Limit

RL = Reporting Limit

Qual = Qualifier

ND = Not Detected

J = Estimated

U = Nondetect

UJ = Estimated Nondetect

F = Result between MDL and RL

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-017				C11-SB08-024				C11-SB08-030			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,1,2-Tetrachloroethane	ND	0 / 30	<	0.7	3	U	<	0.7	3	U	<	0.7	3	U
1,1,1-Trichloroethane	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
1,1,2,2-Tetrachloroethane	ND	0 / 30	<	1.4	3	U	<	1.4	3	U	<	1.4	3	U
1,1,2-Trichloroethane	10	1 / 30	10	0.3	6		<	0.3	6	U	<	0.3	6	U
1,1-Dichloroethane	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,1-Dichloroethene	ND	0 / 30	<	0.9	7	U	<	0.9	7	U	<	0.9	7	U
1,1-Dichloropropene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
1,2,3-Trichlorobenzene	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,2,3-Trichloropropane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	6	U
1,2,4-Trichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
1,2,4-Trimethylbenzene	400	1 / 30	400	1.4	7		<	1.4	7	U	<	1.4	7	U
1,2-Dibromo-3-Chloropropane	ND	0 / 30	<	2	10	U	<	2	10	U	<	2	10	U
1,2-Dibromoethane (Ethylene Dibromide)	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
1,2-Dichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
1,2-Dichloroethane	ND	0 / 30	<	0.1	3	U	<	0.1	3	U	<	0.1	3	U
1,2-Dichloroethene (cis)	ND	0 / 30	<	0.25	6	U	<	0.25	6	U	<	0.25	6	U
1,2-Dichloroethene (trans)	ND	0 / 30	<	0.39	6	U	<	0.39	6	U	<	0.39	6	U
1,2-Dichloropropane	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	100	1.1	6		<	1.1	6	U	<	1.1	6	U
1,3-Dichlorobenzene	ND	0 / 30	<	0.8	7	U	<	0.8	7	U	<	0.8	7	U
1,3-Dichloropropane	ND	0 / 30	<	0.7	2	U	<	0.7	2	U	<	0.7	2	U
1,4-Dichlorobenzene	ND	0 / 30	<	0.8	2	U	<	0.8	2	U	<	0.8	2	U
2,2-Dichloropropane	ND	0 / 30	<	0.76	6	U	<	0.76	6	U	<	0.76	6	U
2-Chlorotoluene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
4-Chlorotoluene	ND	0 / 30	<	1.2	6	U	<	1.2	6	U	<	1.2	6	U
4-Methyl-2-Pentanone (MIBK)	ND	0 / 30	<	2	20	U	<	2	20	U	<	2	20	U
Acetone	300 J	1 / 30	<	3.2	100	U	<	3.2	60	U	<	3.2	100	U
Benzene	ND	0 / 30	<	0.72	2	U	<	0.72	2	U	<	0.72	2	U
Bromobenzene	ND	0 / 30	<	0.86	6	U	<	0.86	6	U	<	0.86	6	U
Bromochloromethane	ND	0 / 30	<	0.92	6	U	<	0.92	6	U	<	0.92	6	U
Bromodichloromethane	ND	0 / 30	<	0.78	2	U	<	0.78	2	U	<	0.78	2	U
Bromoform	ND	0 / 30	<	0.91	7	U	<	0.91	7	U	<	0.91	7	U
Bromomethane	ND	0 / 30	<	1.8	10	U	<	1.8	10	U	<	1.8	10	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-017				C11-SB08-024				C11-SB08-030			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Carbon Tetrachloride	ND	0 / 30	<	0.9	6	U	<	0.9	6	U	<	0.9	6	U
Chlorobenzene	ND	0 / 30	<	0.56	2	U	<	0.56	2	U	<	0.56	2	U
Chloroethane	ND	0 / 30	<	1.8	6	U	<	1.8	6	U	<	1.8	6	U
Chloroform	ND	0 / 30	<	1.6	2	U	<	1.6	2	U	<	1.6	2	U
Chloromethane	ND	0 / 30	<	2.1	6	U	<	2.1	6	U	<	2.1	6	U
cis-1,3-Dichloropropene	ND	0 / 30	<	0.53	3	U	<	0.53	3	U	<	0.53	3	U
Dibromochloromethane	ND	0 / 30	<	0.97	3	U	<	0.97	3	U	<	0.97	3	U
Dibromomethane	ND	0 / 30	<	0.74	6	U	<	0.74	6	U	<	0.74	6	U
Dichlorodifluoromethane	ND	0 / 30	<	0.94	6	U	<	0.94	6	U	<	0.94	6	U
Ethylbenzene	50	1 / 30	50	0.73	6		<	0.73	6	U	<	0.73	6	U
Hexachlorobutadiene	ND	0 / 30	<	0.68	3	U	<	0.68	3	U	<	0.68	3	U
Isopropylbenzene (Cumene)	50	1 / 30	50	1.3	6		<	1.3	6	U	<	1.3	6	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	90	0.49	6	J	<	0.49	6	U	<	0.49	6	U
Methyl Ethyl Ketone (2-Butanone)	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methyl t-Butyl Ether	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methylene Chloride	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
Naphthalene	80	1 / 30	80	0.5	6		<	0.5	6	U	<	0.5	6	U
n-Butylbenzene	60	1 / 30	60	0.6	6		<	0.6	6	U	<	0.6	6	U
n-Propylbenzene	80	1 / 30	80	0.5	6		<	0.5	6	U	<	0.5	6	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	10	0.7	6		<	0.7	6	U	<	0.7	6	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	40	0.5	7	J	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	50	1.1	6		<	1.1	6	U	<	1.1	6	U
Styrene	ND	0 / 30	<	0.8	6	U	<	0.8	6	U	<	0.8	6	U
t-Butylbenzene	50	1 / 30	50	0.5	6		<	0.5	6	U	<	0.5	6	U
Tetrachloroethene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
Toluene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
trans-1,3-Dichloropropene	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
Trichloroethene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
Trichlorofluoromethane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	6	U
Vinyl Chloride	ND	0 / 30	<	1.7	6	U	<	1.7	6	U	<	1.7	6	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2,2-Oxybis(1-chloro)propane	ND	0 / 30	<	47.3	380	U	<	47.3	370	U	<	47.3	370	UJ
2,4,5-Trichlorophenol	ND	0 / 30	<	60.1	380	U	<	60.1	370	U	<	60.1	370	U
2,4,6-Trichlorophenol	ND	0 / 30	<	48.3	380	U	<	48.3	370	U	<	48.3	370	U
2,4-Dichlorophenol	ND	0 / 30	<	50.5	380	U	<	50.5	370	U	<	50.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-017				C11-SB08-024				C11-SB08-030			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
2,4-Dimethylphenol	ND	0 / 30	<	43.9	380	U	<	43.9	370	U	<	43.9	370	U
2,4-Dinitrophenol	ND	0 / 30	<	53.7	760	U	<	53.7	730	U	<	53.7	740	U
2,4-Dinitrotoluene	ND	0 / 30	<	63.8	380	U	<	63.8	370	U	<	63.8	370	UJ
2,6-Dinitrotoluene	ND	0 / 30	<	60.6	380	U	<	60.6	370	U	<	60.6	370	UJ
2-Chloronaphthalene	ND	0 / 30	<	52.4	380	U	<	52.4	370	U	<	52.4	370	UJ
2-Chlorophenol	ND	0 / 30	<	44.3	380	U	<	44.3	370	U	<	44.3	370	U
2-Methylnaphthalene	1000	2 / 30	1000	50.4	380		69	50.4	370	F	<	50.4	370	UJ
2-Methylphenol (o-cresol)	ND	0 / 30	<	45.2	380	U	<	45.2	370	U	<	45.2	370	U
2-Nitroaniline	ND	0 / 30	<	62.4	760	U	<	62.4	730	U	<	62.4	740	UJ
2-Nitrophenol	ND	0 / 30	<	47.8	380	U	<	47.8	370	U	<	47.8	370	U
3,3-Dichlorobenzidine	ND	0 / 30	<	56.3	760	U	<	56.3	730	U	<	56.3	740	UJ
3-Nitroaniline	ND	0 / 30	<	61.1	760	U	<	61.1	730	U	<	61.1	740	UJ
4,6-Dinitro-2-methylphenol	ND	0 / 30	<	56.4	760	U	<	56.4	730	U	<	56.4	740	U
4-Bromophenyl-phenylether	ND	0 / 30	<	56.6	380	U	<	56.6	370	U	<	56.6	370	UJ
4-Chloro-3-methylphenol	ND	0 / 30	<	58.8	380	U	<	58.8	370	U	<	58.8	370	U
4-Chloroaniline	ND	0 / 30	<	16.5	760	U	<	16.5	730	U	<	16.5	740	UJ
4-Chlorophenyl-phenylether	ND	0 / 30	<	60.7	380	U	<	60.7	370	U	<	60.7	370	UJ
4-Methylphenol (p-cresol)	ND	0 / 30	<	46.4	380	U	<	46.4	370	U	<	46.4	370	U
4-Nitroaniline	ND	0 / 30	<	72.8	380	U	<	72.8	370	U	<	72.8	370	UJ
4-Nitrophenol	ND	0 / 30	<	59.8	760	U	<	59.8	730	U	<	59.8	740	U
Acenaphthene	ND	0 / 30	<	53.8	380	U	<	53.8	370	U	<	53.8	370	UJ
Acenaphthylene	ND	0 / 30	<	53.1	380	U	<	53.1	370	U	<	53.1	370	UJ
Acetophenone	ND	0 / 30	<	90	380	U	<	90	370	U	<	90	370	UJ
Anthracene	ND	0 / 30	<	61.3	380	U	<	61.3	370	U	<	61.3	370	UJ
Atrazine	ND	0 / 30	<	90	380	U	<	90	370	U	<	90	370	UJ
Benzo(a)anthracene	ND	0 / 30	<	58	380	U	<	58	370	U	<	58	370	UJ
Benzo(a)pyrene	ND	0 / 30	<	50.7	380	U	<	50.7	370	U	<	50.7	370	UJ
Benzo(b)fluoranthene	ND	0 / 30	<	60	380	U	<	60	370	U	<	60	370	UJ
Benzo(g,h,i)perylene	ND	0 / 30	<	55.2	380	U	<	55.2	370	U	<	55.2	370	UJ
Benzo(k)fluoranthene	ND	0 / 30	<	61	380	U	<	61	370	U	<	61	370	UJ
Biphenyl (diphenyl)	300 F	2 / 30	300	90	380	F	120	90	370	F	<	90	370	UJ
bis(2-Chloroethoxy)methane	ND	0 / 30	<	49.9	380	U	<	49.9	370	U	<	49.9	370	UJ
bis(2-Chloroethyl)ether	ND	0 / 30	<	50	380	U	<	50	370	U	<	50	370	UJ
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	380	U	<	61.6	370	U	<	61.6	370	UJ
Butylbenzylphthalate	ND	0 / 30	<	55.5	380	U	<	55.5	370	U	<	55.5	370	UJ

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-017				C11-SB08-024				C11-SB08-030			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Caprolactam	3800	5 / 30	3600	90	380	J	3800	90	370		870	90	370	J
Carbazole	ND	0 / 30	<	81.6	380	U	<	81.6	370	U	<	81.6	370	UJ
Chrysene	ND	0 / 30	<	60.6	380	U	<	60.6	370	U	<	60.6	370	UJ
Dibenz(a,h)anthracene	ND	0 / 30	<	59.4	380	U	<	59.4	370	U	<	59.4	370	UJ
Dibenzofuran	ND	0 / 30	<	57.3	380	U	<	57.3	370	U	<	57.3	370	UJ
Diethylphthalate	ND	0 / 30	<	62.1	380	U	<	62.1	370	U	<	62.1	370	UJ
Dimethylphthalate	ND	0 / 30	<	63.3	380	U	<	63.3	370	U	<	63.3	370	UJ
Di-n-butylphthalate	4500	1 / 30	<	65.9	380	U	<	65.9	370	U	<	65.9	370	UJ
Di-n-octylphthalate	ND	0 / 30	<	58.4	380	U	<	58.4	370	U	<	58.4	370	UJ
Fluoranthene	ND	0 / 30	<	65.4	380	U	<	65.4	370	U	<	65.4	370	UJ
Fluorene	ND	0 / 30	<	61.3	380	U	<	61.3	370	U	<	61.3	370	UJ
Hexachlorobenzene	ND	0 / 30	<	60.3	380	U	<	60.3	370	U	<	60.3	370	UJ
Hexachlorobutadiene	ND	0 / 30	<	51.7	380	U	<	51.7	370	U	<	51.7	370	UJ
Hexachlorocyclopentadiene	ND	0 / 30	<	44	380	U	<	44	370	U	<	44	370	UJ
Hexachloroethane	ND	0 / 30	<	49.9	380	U	<	49.9	370	U	<	49.9	370	UJ
Indeno(1,2,3-cd)pyrene	ND	0 / 30	<	60.4	380	U	<	60.4	370	U	<	60.4	370	UJ
Isophorone	93 F	1 / 30	<	57	380	U	<	57	370	U	<	57	370	UJ
Naphthalene	220 F	2 / 30	220	50.5	380	F	<	50.5	370	U	<	50.5	370	UJ
Nitrobenzene	ND	0 / 30	<	49.8	380	U	<	49.8	370	U	<	49.8	370	UJ
N-Nitroso-di-n-propylamine	ND	0 / 30	<	54.9	380	U	<	54.9	370	U	<	54.9	370	UJ
N-Nitrosodiphenylamine	ND	0 / 30	<	50.6	380	U	<	50.6	370	U	<	50.6	370	UJ
Pentachlorophenol	ND	0 / 30	<	58.7	760	U	<	58.7	730	U	<	58.7	740	U
Phenanthrene	ND	0 / 30	<	58.2	380	U	<	58.2	370	U	<	58.2	370	UJ
Phenol	ND	0 / 30	<	43	380	U	<	43	370	U	<	43	370	U
Pyrene	ND	0 / 30	<	54.1	380	U	<	54.1	370	U	<	54.1	370	UJ
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	170	5	110		230	10	110		110	2	23	
Gasoline Hydrocarbons	160 J	6 / 30	150	0.3	11	J	160	0.3	11	J	59	0.3	11	J
METALS (mg/kg)														
Aluminum	7650	30 / 30	5330	80	275		3900	4.01	13		5560	80	271	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.91	U	<	0.21	0.85	U
Arsenic	3.4	30 / 30	2.4	0.17	0.7		1.4	0.17	0.7		1.1	0.17	0.7	
Barium	1720	30 / 30	374	0.94	11		291	0.94	11		128	0.05	0.6	
Beryllium	0.82	30 / 30	0.39	0.04	0.2		0.22	0.04	0.2		0.2	0.04	0.2	
Cadmium	0.095 F	9 / 30	0.046	0.03	0.6	F	<	0.03	0.6	U	<	0.03	0.6	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-017				C11-SB08-024				C11-SB08-030			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Calcium	230000	30 / 30	109000	16	229		147000	16	223		120000	16	226	
Chromium	6.8	30 / 30	5	0.03	0.6		5	0.03	0.6		4	0.03	0.6	
Cobalt	3.11	30 / 30	1.9	0.05	0.6		1	0.05	0.6		0.88	0.05	0.6	
Copper	3.9	30 / 30	2.5	0.09	0.6		1.7	0.09	0.6		1.2	0.09	0.6	
Iron	7310	30 / 30	5840	33	114		3430	1.63	6		3340	1.63	6	
Lead	8	30 / 30	3.4	0.09	6	F	0.78	0.09	6	F	1.1	0.09	6	F
Magnesium	9260 J	30 / 30	3880	2.41	9		3360	2.41	9		5530	2.41	9	
Manganese	107	30 / 30	59	0.13	0.6		42.8	0.13	0.6		57.9	0.13	0.6	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	5.7	0.07	0.6		3.7	0.07	0.6		3.5	0.07	0.6	
Potassium	1990	30 / 30	1780	13.88	114		1110	13.88	111		945	13.88	113	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	U
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	9 / 30	<	7.36	114	U	<	7.36	111	U	<	7.36	113	U
Thallium	1.6 F	30 / 30	0.47	0.21	2	F	0.37	0.21	2	F	0.74	0.21	2	F
Vanadium	17.7	30 / 30	13.3	0.06	0.6		7.9	0.06	0.6		14.2	0.06	0.6	
Zinc	13.1	30 / 30	9.4	1.15	6		6.2	1.15	6		6.2	1.15	6	

Notes:

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

MDL = Method Detection Limit

RL = Reporting Limit

Qual = Qualifier

ND = Not Detected

J = Estimated

U = Nondetect

UJ = Estimated Nondetect

F = Result between MDL and RL

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-036				C11-SB08-042				C11-SB08-050			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,1,2-Tetrachloroethane	ND	0 / 30	<	0.7	3	U	<	0.7	3	U	<	0.7	3	U
1,1,1-Trichloroethane	ND	0 / 30	<	0.5	5	U	<	0.5	5	U	<	0.5	5	U
1,1,2,2-Tetrachloroethane	ND	0 / 30	<	1.4	3	U	<	1.4	3	U	<	1.4	3	U
1,1,2-Trichloroethane	10	1 / 30	<	0.3	5	U	<	0.3	5	U	<	0.3	5	U
1,1-Dichloroethane	ND	0 / 30	<	0.3	5	U	<	0.3	5	U	<	0.3	5	U
1,1-Dichloroethene	ND	0 / 30	<	0.9	7	U	<	0.9	6	U	<	0.9	6	U
1,1-Dichloropropene	ND	0 / 30	<	0.7	5	U	<	0.7	5	U	<	0.7	5	U
1,2,3-Trichlorobenzene	ND	0 / 30	<	0.3	5	U	<	0.3	5	U	<	0.3	5	U
1,2,3-Trichloropropane	ND	0 / 30	<	1.4	5	U	<	1.4	5	U	<	1.4	5	U
1,2,4-Trichlorobenzene	ND	0 / 30	<	0.6	5	U	<	0.6	5	U	<	0.6	5	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	6	U	<	1.4	6	U
1,2-Dibromo-3-Chloropropane	ND	0 / 30	<	2	10	U	<	2	10	U	<	2	10	U
1,2-Dibromoethane (Ethylene Dibromide)	ND	0 / 30	<	0.7	5	U	<	0.7	5	U	<	0.7	5	U
1,2-Dichlorobenzene	ND	0 / 30	<	0.6	5	U	<	0.6	5	U	<	0.6	5	U
1,2-Dichloroethane	ND	0 / 30	<	0.1	3	U	<	0.1	3	U	<	0.1	3	U
1,2-Dichloroethene (cis)	ND	0 / 30	<	0.25	5	U	<	0.25	5	U	<	0.25	5	U
1,2-Dichloroethene (trans)	ND	0 / 30	<	0.39	5	U	<	0.39	5	U	<	0.39	5	U
1,2-Dichloropropane	ND	0 / 30	<	0.7	5	U	<	0.7	5	U	<	0.7	5	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	5	U	<	1.1	5	U	<	1.1	5	U
1,3-Dichlorobenzene	ND	0 / 30	<	0.8	7	U	<	0.8	6	U	<	0.8	6	U
1,3-Dichloropropane	ND	0 / 30	<	0.7	2	U	<	0.7	2	U	<	0.7	2	U
1,4-Dichlorobenzene	ND	0 / 30	<	0.8	2	U	<	0.8	2	U	<	0.8	2	U
2,2-Dichloropropane	ND	0 / 30	<	0.76	5	U	<	0.76	5	U	<	0.76	5	U
2-Chlorotoluene	ND	0 / 30	<	1.1	5	U	<	1.1	5	U	<	1.1	5	U
4-Chlorotoluene	ND	0 / 30	<	1.2	5	U	<	1.2	5	U	<	1.2	5	U
4-Methyl-2-Pentanone (MIBK)	ND	0 / 30	<	2	20	U	<	2	20	U	<	2	20	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	50	U	<	3.2	50	U
Benzene	ND	0 / 30	<	0.72	2	U	<	0.72	2	U	<	0.72	2	U
Bromobenzene	ND	0 / 30	<	0.86	5	U	<	0.86	5	U	<	0.86	5	U
Bromochloromethane	ND	0 / 30	<	0.92	5	U	<	0.92	5	U	<	0.92	5	U
Bromodichloromethane	ND	0 / 30	<	0.78	2	U	<	0.78	2	U	<	0.78	2	U
Bromoform	ND	0 / 30	<	0.91	7	U	<	0.91	6	U	<	0.91	6	U
Bromomethane	ND	0 / 30	<	1.8	10	U	<	1.8	10	U	<	1.8	10	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-036				C11-SB08-042				C11-SB08-050			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Carbon Tetrachloride	ND	0 / 30	<	0.9	5	U	<	0.9	5	U	<	0.9	5	U
Chlorobenzene	ND	0 / 30	<	0.56	2	U	<	0.56	2	U	<	0.56	2	U
Chloroethane	ND	0 / 30	<	1.8	5	U	<	1.8	5	U	<	1.8	5	U
Chloroform	ND	0 / 30	<	1.6	2	U	<	1.6	2	U	<	1.6	2	U
Chloromethane	ND	0 / 30	<	2.1	5	U	<	2.1	5	U	<	2.1	5	U
cis-1,3-Dichloropropene	ND	0 / 30	<	0.53	3	U	<	0.53	3	U	<	0.53	3	U
Dibromochloromethane	ND	0 / 30	<	0.97	3	U	<	0.97	3	U	<	0.97	3	U
Dibromomethane	ND	0 / 30	<	0.74	5	U	<	0.74	5	U	<	0.74	5	U
Dichlorodifluoromethane	ND	0 / 30	<	0.94	5	U	<	0.94	5	U	<	0.94	5	U
Ethylbenzene	50	1 / 30	<	0.73	5	U	<	0.73	5	U	<	0.73	5	U
Hexachlorobutadiene	ND	0 / 30	<	0.68	3	U	<	0.68	3	U	<	0.68	3	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	5	U	<	1.3	5	U	<	1.3	5	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	5	U	<	0.49	5	U	<	0.49	5	U
Methyl Ethyl Ketone (2-Butanone)	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methyl t-Butyl Ether	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methylene Chloride	ND	0 / 30	<	0.7	5	U	<	0.7	5	U	<	0.7	5	U
Naphthalene	80	1 / 30	<	0.5	5	U	<	0.5	5	U	<	0.5	5	U
n-Butylbenzene	60	1 / 30	<	0.6	5	U	<	0.6	5	U	<	0.6	5	U
n-Propylbenzene	80	1 / 30	<	0.5	5	U	<	0.5	5	U	<	0.5	5	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	5	U	<	0.7	5	U	<	0.7	5	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	6	U	<	0.5	6	U
sec-Butylbenzene	50	1 / 30	<	1.1	5	U	<	1.1	5	U	<	1.1	5	U
Styrene	ND	0 / 30	<	0.8	5	U	<	0.8	5	U	<	0.8	5	U
t-Butylbenzene	50	1 / 30	<	0.5	5	U	<	0.5	5	U	<	0.5	5	U
Tetrachloroethene	ND	0 / 30	<	0.6	5	U	<	0.6	5	U	<	0.6	5	U
Toluene	ND	0 / 30	<	0.7	5	U	<	0.7	5	U	<	0.7	5	U
trans-1,3-Dichloropropene	ND	0 / 30	<	0.5	5	U	<	0.5	5	U	<	0.5	5	U
Trichloroethene	ND	0 / 30	<	1.1	5	U	<	1.1	5	U	<	1.1	5	U
Trichlorofluoromethane	ND	0 / 30	<	1.4	5	U	<	1.4	5	U	<	1.4	5	U
Vinyl Chloride	ND	0 / 30	<	1.7	5	U	<	1.7	5	U	<	1.7	5	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2,2-Oxybis(1-chloro)propane	ND	0 / 30	<	47.3	360	U	<	47.3	350	U	<	47.3	350	UJ
2,4,5-Trichlorophenol	ND	0 / 30	<	60.1	360	U	<	60.1	350	U	<	60.1	350	UJ
2,4,6-Trichlorophenol	ND	0 / 30	<	48.3	360	U	<	48.3	350	U	<	48.3	350	UJ
2,4-Dichlorophenol	ND	0 / 30	<	50.5	360	U	<	50.5	350	U	<	50.5	350	UJ

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-036				C11-SB08-042				C11-SB08-050			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
2,4-Dimethylphenol	ND	0 / 30	<	43.9	360	U	<	43.9	350	U	<	43.9	350	UJ
2,4-Dinitrophenol	ND	0 / 30	<	53.7	730	U	<	53.7	710	U	<	53.7	710	UJ
2,4-Dinitrotoluene	ND	0 / 30	<	63.8	360	U	<	63.8	350	U	<	63.8	350	UJ
2,6-Dinitrotoluene	ND	0 / 30	<	60.6	360	U	<	60.6	350	U	<	60.6	350	UJ
2-Chloronaphthalene	ND	0 / 30	<	52.4	360	U	<	52.4	350	U	<	52.4	350	UJ
2-Chlorophenol	ND	0 / 30	<	44.3	360	U	<	44.3	350	U	<	44.3	350	UJ
2-Methylnaphthalene	1000	2 / 30	<	50.4	360	U	<	50.4	350	U	<	50.4	350	UJ
2-Methylphenol (o-cresol)	ND	0 / 30	<	45.2	360	U	<	45.2	350	U	<	45.2	350	UJ
2-Nitroaniline	ND	0 / 30	<	62.4	730	U	<	62.4	710	U	<	62.4	710	UJ
2-Nitrophenol	ND	0 / 30	<	47.8	360	U	<	47.8	350	U	<	47.8	350	UJ
3,3-Dichlorobenzidine	ND	0 / 30	<	56.3	730	U	<	56.3	710	U	<	56.3	710	UJ
3-Nitroaniline	ND	0 / 30	<	61.1	730	U	<	61.1	710	U	<	61.1	710	UJ
4,6-Dinitro-2-methylphenol	ND	0 / 30	<	56.4	730	U	<	56.4	710	U	<	56.4	710	UJ
4-Bromophenyl-phenylether	ND	0 / 30	<	56.6	360	U	<	56.6	350	U	<	56.6	350	UJ
4-Chloro-3-methylphenol	ND	0 / 30	<	58.8	360	U	<	58.8	350	U	<	58.8	350	UJ
4-Chloroaniline	ND	0 / 30	<	16.5	730	U	<	16.5	710	U	<	16.5	710	UJ
4-Chlorophenyl-phenylether	ND	0 / 30	<	60.7	360	U	<	60.7	350	U	<	60.7	350	UJ
4-Methylphenol (p-cresol)	ND	0 / 30	<	46.4	360	U	<	46.4	350	U	<	46.4	350	UJ
4-Nitroaniline	ND	0 / 30	<	72.8	360	U	<	72.8	350	U	<	72.8	350	UJ
4-Nitrophenol	ND	0 / 30	<	59.8	730	U	<	59.8	710	U	<	59.8	710	UJ
Acenaphthene	ND	0 / 30	<	53.8	360	U	<	53.8	350	U	<	53.8	350	UJ
Acenaphthylene	ND	0 / 30	<	53.1	360	U	<	53.1	350	U	<	53.1	350	UJ
Acetophenone	ND	0 / 30	<	90	360	U	<	90	350	U	<	90	350	UJ
Anthracene	ND	0 / 30	<	61.3	360	U	<	61.3	350	U	<	61.3	350	UJ
Atrazine	ND	0 / 30	<	90	360	U	<	90	350	U	<	90	350	UJ
Benzo(a)anthracene	ND	0 / 30	<	58	360	U	<	58	350	U	<	58	350	UJ
Benzo(a)pyrene	ND	0 / 30	<	50.7	360	U	<	50.7	350	U	<	50.7	350	UJ
Benzo(b)fluoranthene	ND	0 / 30	<	60	360	U	<	60	350	U	<	60	350	UJ
Benzo(g,h,i)perylene	ND	0 / 30	<	55.2	360	U	<	55.2	350	U	<	55.2	350	UJ
Benzo(k)fluoranthene	ND	0 / 30	<	61	360	U	<	61	350	U	<	61	350	UJ
Biphenyl (diphenyl)	300 F	2 / 30	<	90	360	U	<	90	350	U	<	90	350	UJ
bis(2-Chloroethoxy)methane	ND	0 / 30	<	49.9	360	U	<	49.9	350	U	<	49.9	350	UJ
bis(2-Chloroethyl)ether	ND	0 / 30	<	50	360	U	<	50	350	U	<	50	350	UJ
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	360	U	<	61.6	350	U	<	61.6	350	UJ
Butylbenzylphthalate	ND	0 / 30	<	55.5	360	U	<	55.5	350	U	<	55.5	350	UJ

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-036				C11-SB08-042				C11-SB08-050			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Caprolactam	3800	5 / 30	2300	90	360		1000	90	350		<	90	350	UJ
Carbazole	ND	0 / 30	<	81.6	360	U	<	81.6	350	U	<	81.6	350	UJ
Chrysene	ND	0 / 30	<	60.6	360	U	<	60.6	350	U	<	60.6	350	UJ
Dibenz(a,h)anthracene	ND	0 / 30	<	59.4	360	U	<	59.4	350	U	<	59.4	350	UJ
Dibenzofuran	ND	0 / 30	<	57.3	360	U	<	57.3	350	U	<	57.3	350	UJ
Diethylphthalate	ND	0 / 30	<	62.1	360	U	<	62.1	350	U	<	62.1	350	UJ
Dimethylphthalate	ND	0 / 30	<	63.3	360	U	<	63.3	350	U	<	63.3	350	UJ
Di-n-butylphthalate	4500	1 / 30	<	65.9	360	U	<	65.9	350	U	<	65.9	350	UJ
Di-n-octylphthalate	ND	0 / 30	<	58.4	360	U	<	58.4	350	U	<	58.4	350	UJ
Fluoranthene	ND	0 / 30	<	65.4	360	U	<	65.4	350	U	<	65.4	350	UJ
Fluorene	ND	0 / 30	<	61.3	360	U	<	61.3	350	U	<	61.3	350	UJ
Hexachlorobenzene	ND	0 / 30	<	60.3	360	U	<	60.3	350	U	<	60.3	350	UJ
Hexachlorobutadiene	ND	0 / 30	<	51.7	360	U	<	51.7	350	U	<	51.7	350	UJ
Hexachlorocyclopentadiene	ND	0 / 30	<	44	360	U	<	44	350	U	<	44	350	UJ
Hexachloroethane	ND	0 / 30	<	49.9	360	U	<	49.9	350	U	<	49.9	350	UJ
Indeno(1,2,3-cd)pyrene	ND	0 / 30	<	60.4	360	U	<	60.4	350	U	<	60.4	350	UJ
Isophorone	93 F	1 / 30	93	57	360	F	<	57	350	U	<	57	350	UJ
Naphthalene	220 F	2 / 30	<	50.5	360	U	<	50.5	350	U	<	50.5	350	UJ
Nitrobenzene	ND	0 / 30	<	49.8	360	U	<	49.8	350	U	<	49.8	350	UJ
N-Nitroso-di-n-propylamine	ND	0 / 30	<	54.9	360	U	<	54.9	350	U	<	54.9	350	UJ
N-Nitrosodiphenylamine	ND	0 / 30	<	50.6	360	U	<	50.6	350	U	<	50.6	350	UJ
Pentachlorophenol	ND	0 / 30	<	58.7	730	U	<	58.7	710	U	<	58.7	710	UJ
Phenanthrene	ND	0 / 30	<	58.2	360	U	<	58.2	350	U	<	58.2	350	UJ
Phenol	ND	0 / 30	<	43	360	U	<	43	350	U	<	43	350	UJ
Pyrene	ND	0 / 30	<	54.1	360	U	<	54.1	350	U	<	54.1	350	UJ
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	130	5	55		72	1	11		<	1	11	U
Gasoline Hydrocarbons	160 J	6 / 30	29	0.3	11		9.7	0.3	11	F	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	6150	40	132		2570	4.01	13		2390	4.01	13	
Antimony	1.9	4 / 30	<	0.21	0.8	U	<	0.21	0.8	U	<	0.21	0.8	U
Arsenic	3.4	30 / 30	1.1	0.17	0.7		1.1	0.17	0.6		0.77	0.17	0.6	
Barium	1720	30 / 30	109	0.05	0.6		85.9	0.05	0.5		22.1	0.05	0.5	
Beryllium	0.82	30 / 30	0.23	0.04	0.2		0.14	0.04	0.2	F	0.15	0.04	0.2	F
Cadmium	0.095 F	9 / 30	<	0.03	0.6	U	<	0.03	0.5	U	<	0.03	0.5	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB08-036				C11-SB08-042				C11-SB08-050			
DATE COLLECTED			May 16, 2007				May 16, 2007				May 16, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Calcium	230000	30 / 30	70600	8	110		74500	8.2	107		20600	4.1	54	
Chromium	6.8	30 / 30	5.3	0.03	0.6		2.7	0.03	0.5		2.7	0.03	0.5	
Cobalt	3.11	30 / 30	1.1	0.05	0.6		0.7	0.05	0.5		1	0.05	0.5	
Copper	3.9	30 / 30	1.4	0.09	0.6		0.45	0.09	0.5	F	0.88	0.09	0.5	
Iron	7310	30 / 30	3790	1.63	6		2500	1.63	5		2630	1.63	5	
Lead	8	30 / 30	1.4	0.09	6	F	0.86	0.09	5	F	1.7	0.09	5	F
Magnesium	9260 J	30 / 30	9260	2.41	9	J	3210	2.41	9		3370	2.41	9	
Manganese	107	30 / 30	31.6	0.13	0.6		22.1	0.13	0.5		32.8	0.13	0.5	
Mercury	0.017 F	4 / 30	<	0.01	0.1	U	<	0.01	0.1	U	<	0.01	0.1	U
Nickel	7.1	30 / 30	4.2	0.07	0.6		2.5	0.07	0.5		2.6	0.07	0.5	
Potassium	1990	30 / 30	1080	13.88	110		627	13.88	107		536	13.88	107	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	0.31	0.24	0.9	F
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	<	0.04	0.2	U
Sodium	87.2 F	9 / 30	15.2	7.36	110	F	<	7.36	107	U	40.1	7.36	107	F
Thallium	1.6 F	30 / 30	1	0.21	2	F	0.64	0.21	2	F	1	0.21	2	F
Vanadium	17.7	30 / 30	14.9	0.06	0.6		6.4	0.06	0.5		7.8	0.06	0.5	
Zinc	13.1	30 / 30	6.4	1.15	6		4.3	1.15	5	F	5.3	1.15	5	

Notes:

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

MDL = Method Detection Limit

RL = Reporting Limit

Qual = Qualifier

ND = Not Detected

J = Estimated

U = Nondetect

UJ = Estimated Nondetect

F = Result between MDL and RL

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB09-012				C11-SB09-017				C11-SB09-022			
DATE COLLECTED			May 17, 2007				May 17, 2007				May 17, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
VOLATILE ORGANIC COMPOUNDS (µg/kg)														
1,1,1,2-Tetrachloroethane	ND	0 / 30	<	0.7	4	U	<	0.7	3	U	<	0.7	3	U
1,1,1-Trichloroethane	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
1,1,2,2-Tetrachloroethane	ND	0 / 30	<	1.4	4	U	<	1.4	3	U	<	1.4	3	U
1,1,2-Trichloroethane	10	1 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,1-Dichloroethane	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,1-Dichloroethene	ND	0 / 30	<	0.9	7	U	<	0.9	7	U	<	0.9	7	U
1,1-Dichloropropene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
1,2,3-Trichlorobenzene	ND	0 / 30	<	0.3	6	U	<	0.3	6	U	<	0.3	6	U
1,2,3-Trichloropropane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	6	U
1,2,4-Trichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
1,2,4-Trimethylbenzene	400	1 / 30	<	1.4	7	U	<	1.4	7	U	<	1.4	7	U
1,2-Dibromo-3-Chloropropane	ND	0 / 30	<	2	10	U	<	2	10	U	<	2	10	U
1,2-Dibromoethane (Ethylene Dibromide)	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
1,2-Dichlorobenzene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
1,2-Dichloroethane	ND	0 / 30	<	0.1	4	U	<	0.1	3	U	<	0.1	3	U
1,2-Dichloroethene (cis)	ND	0 / 30	<	0.25	6	U	<	0.25	6	U	<	0.25	6	U
1,2-Dichloroethene (trans)	ND	0 / 30	<	0.39	6	U	<	0.39	6	U	<	0.39	6	U
1,2-Dichloropropane	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
1,3,5-Trimethylbenzene (Mesitylene)	100	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
1,3-Dichlorobenzene	ND	0 / 30	<	0.8	7	U	<	0.8	7	U	<	0.8	7	U
1,3-Dichloropropane	ND	0 / 30	<	0.7	2	U	<	0.7	2	U	<	0.7	2	U
1,4-Dichlorobenzene	ND	0 / 30	<	0.8	2	U	<	0.8	2	U	<	0.8	2	U
2,2-Dichloropropane	ND	0 / 30	<	0.76	6	U	<	0.76	6	U	<	0.76	6	U
2-Chlorotoluene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
4-Chlorotoluene	ND	0 / 30	<	1.2	6	U	<	1.2	6	U	<	1.2	6	U
4-Methyl-2-Pentanone (MIBK)	ND	0 / 30	<	2	20	U	<	2	20	U	<	2	20	U
Acetone	300 J	1 / 30	<	3.2	60	U	<	3.2	60	U	<	3.2	60	U
Benzene	ND	0 / 30	<	0.72	2	U	<	0.72	2	U	<	0.72	2	U
Bromobenzene	ND	0 / 30	<	0.86	6	U	<	0.86	6	U	<	0.86	6	U
Bromochloromethane	ND	0 / 30	<	0.92	6	U	<	0.92	6	U	<	0.92	6	U
Bromodichloromethane	ND	0 / 30	<	0.78	2	U	<	0.78	2	U	<	0.78	2	U
Bromoform	ND	0 / 30	<	0.91	7	U	<	0.91	7	U	<	0.91	7	U
Bromomethane	ND	0 / 30	<	1.8	10	U	<	1.8	10	U	<	1.8	10	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB09-012				C11-SB09-017				C11-SB09-022			
DATE COLLECTED			May 17, 2007				May 17, 2007				May 17, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Carbon Tetrachloride	ND	0 / 30	<	0.9	6	U	<	0.9	6	U	<	0.9	6	U
Chlorobenzene	ND	0 / 30	<	0.56	2	U	<	0.56	2	U	<	0.56	2	U
Chloroethane	ND	0 / 30	<	1.8	6	U	<	1.8	6	U	<	1.8	6	U
Chloroform	ND	0 / 30	<	1.6	2	U	<	1.6	2	U	<	1.6	2	U
Chloromethane	ND	0 / 30	<	2.1	6	U	<	2.1	6	U	<	2.1	6	U
cis-1,3-Dichloropropene	ND	0 / 30	<	0.53	4	U	<	0.53	3	U	<	0.53	3	U
Dibromochloromethane	ND	0 / 30	<	0.97	4	U	<	0.97	3	U	<	0.97	3	U
Dibromomethane	ND	0 / 30	<	0.74	6	U	<	0.74	6	U	<	0.74	6	U
Dichlorodifluoromethane	ND	0 / 30	<	0.94	6	U	<	0.94	6	U	<	0.94	6	U
Ethylbenzene	50	1 / 30	<	0.73	6	U	<	0.73	6	U	<	0.73	6	U
Hexachlorobutadiene	ND	0 / 30	<	0.68	4	U	<	0.68	3	U	<	0.68	3	U
Isopropylbenzene (Cumene)	50	1 / 30	<	1.3	6	U	<	1.3	6	U	<	1.3	6	U
m,p-Xylene (sum of isomers)	90 J	1 / 30	<	0.49	6	U	<	0.49	6	U	<	0.49	6	U
Methyl Ethyl Ketone (2-Butanone)	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methyl t-Butyl Ether	ND	0 / 30	<	1	20	U	<	1	20	U	<	1	20	U
Methylene Chloride	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
Naphthalene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
n-Butylbenzene	60	1 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
n-Propylbenzene	80	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
o-Xylene (1,2-Dimethylbenzene)	10	1 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
p-Cymene (p-Isopropyltoluene)	40 J	1 / 30	<	0.5	7	U	<	0.5	7	U	<	0.5	7	U
sec-Butylbenzene	50	1 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
Styrene	ND	0 / 30	<	0.8	6	U	<	0.8	6	U	<	0.8	6	U
t-Butylbenzene	50	1 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
Tetrachloroethene	ND	0 / 30	<	0.6	6	U	<	0.6	6	U	<	0.6	6	U
Toluene	ND	0 / 30	<	0.7	6	U	<	0.7	6	U	<	0.7	6	U
trans-1,3-Dichloropropene	ND	0 / 30	<	0.5	6	U	<	0.5	6	U	<	0.5	6	U
Trichloroethene	ND	0 / 30	<	1.1	6	U	<	1.1	6	U	<	1.1	6	U
Trichlorofluoromethane	ND	0 / 30	<	1.4	6	U	<	1.4	6	U	<	1.4	6	U
Vinyl Chloride	ND	0 / 30	<	1.7	6	U	<	1.7	6	U	<	1.7	6	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)														
2,2-Oxybis(1-chloro)propane	ND	0 / 30	<	47.3	3800	U	<	47.3	380	U	<	47.3	370	U
2,4,5-Trichlorophenol	ND	0 / 30	<	60.1	3800	U	<	60.1	380	U	<	60.1	370	U
2,4,6-Trichlorophenol	ND	0 / 30	<	48.3	3800	U	<	48.3	380	U	<	48.3	370	U
2,4-Dichlorophenol	ND	0 / 30	<	50.5	3800	U	<	50.5	380	U	<	50.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB09-012				C11-SB09-017				C11-SB09-022			
DATE COLLECTED			May 17, 2007				May 17, 2007				May 17, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
2,4-Dimethylphenol	ND	0 / 30	<	43.9	3800	U	<	43.9	380	U	<	43.9	370	U
2,4-Dinitrophenol	ND	0 / 30	<	53.7	7600	U	<	53.7	750	U	<	53.7	740	U
2,4-Dinitrotoluene	ND	0 / 30	<	63.8	3800	U	<	63.8	380	U	<	63.8	370	U
2,6-Dinitrotoluene	ND	0 / 30	<	60.6	3800	U	<	60.6	380	U	<	60.6	370	U
2-Chloronaphthalene	ND	0 / 30	<	52.4	3800	U	<	52.4	380	U	<	52.4	370	U
2-Chlorophenol	ND	0 / 30	<	44.3	3800	U	<	44.3	380	U	<	44.3	370	U
2-Methylnaphthalene	1000	2 / 30	<	50.4	3800	U	<	50.4	380	U	<	50.4	370	U
2-Methylphenol (o-cresol)	ND	0 / 30	<	45.2	3800	U	<	45.2	380	U	<	45.2	370	U
2-Nitroaniline	ND	0 / 30	<	62.4	7600	U	<	62.4	750	U	<	62.4	740	U
2-Nitrophenol	ND	0 / 30	<	47.8	3800	U	<	47.8	380	U	<	47.8	370	U
3,3-Dichlorobenzidine	ND	0 / 30	<	56.3	7600	U	<	56.3	750	U	<	56.3	740	U
3-Nitroaniline	ND	0 / 30	<	61.1	7600	U	<	61.1	750	U	<	61.1	740	U
4,6-Dinitro-2-methylphenol	ND	0 / 30	<	56.4	7600	U	<	56.4	750	U	<	56.4	740	U
4-Bromophenyl-phenylether	ND	0 / 30	<	56.6	3800	U	<	56.6	380	U	<	56.6	370	U
4-Chloro-3-methylphenol	ND	0 / 30	<	58.8	3800	U	<	58.8	380	U	<	58.8	370	U
4-Chloroaniline	ND	0 / 30	<	16.5	7600	U	<	16.5	750	U	<	16.5	740	U
4-Chlorophenyl-phenylether	ND	0 / 30	<	60.7	3800	U	<	60.7	380	U	<	60.7	370	U
4-Methylphenol (p-cresol)	ND	0 / 30	<	46.4	3800	U	<	46.4	380	U	<	46.4	370	U
4-Nitroaniline	ND	0 / 30	<	72.8	3800	U	<	72.8	380	U	<	72.8	370	U
4-Nitrophenol	ND	0 / 30	<	59.8	7600	U	<	59.8	750	U	<	59.8	740	U
Acenaphthene	ND	0 / 30	<	53.8	3800	U	<	53.8	380	U	<	53.8	370	U
Acenaphthylene	ND	0 / 30	<	53.1	3800	U	<	53.1	380	U	<	53.1	370	U
Acetophenone	ND	0 / 30	<	90	3800	U	<	90	380	U	<	90	370	U
Anthracene	ND	0 / 30	<	61.3	3800	U	<	61.3	380	U	<	61.3	370	U
Atrazine	ND	0 / 30	<	90	3800	U	<	90	380	U	<	90	370	U
Benzo(a)anthracene	ND	0 / 30	<	58	3800	U	<	58	380	U	<	58	370	U
Benzo(a)pyrene	ND	0 / 30	<	50.7	3800	U	<	50.7	380	U	<	50.7	370	U
Benzo(b)fluoranthene	ND	0 / 30	<	60	3800	U	<	60	380	U	<	60	370	U
Benzo(g,h,i)perylene	ND	0 / 30	<	55.2	3800	U	<	55.2	380	U	<	55.2	370	U
Benzo(k)fluoranthene	ND	0 / 30	<	61	3800	U	<	61	380	U	<	61	370	U
Biphenyl (diphenyl)	300 F	2 / 30	<	90	3800	U	<	90	380	U	<	90	370	U
bis(2-Chloroethoxy)methane	ND	0 / 30	<	49.9	3800	U	<	49.9	380	U	<	49.9	370	U
bis(2-Chloroethyl)ether	ND	0 / 30	<	50	3800	U	<	50	380	U	<	50	370	U
bis(2-Ethylhexyl)phthalate	9300	1 / 30	<	61.6	3800	U	<	61.6	380	U	<	61.6	370	U
Butylbenzylphthalate	ND	0 / 30	<	55.5	3800	U	<	55.5	380	U	<	55.5	370	U

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB09-012				C11-SB09-017				C11-SB09-022			
DATE COLLECTED			May 17, 2007				May 17, 2007				May 17, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Caprolactam	3800	5 / 30	<	90	3800	U	<	90	380	U	<	90	370	U
Carbazole	ND	0 / 30	<	81.6	3800	U	<	81.6	380	U	<	81.6	370	U
Chrysene	ND	0 / 30	<	60.6	3800	U	<	60.6	380	U	<	60.6	370	U
Dibenz(a,h)anthracene	ND	0 / 30	<	59.4	3800	U	<	59.4	380	U	<	59.4	370	U
Dibenzofuran	ND	0 / 30	<	57.3	3800	U	<	57.3	380	U	<	57.3	370	U
Diethylphthalate	ND	0 / 30	<	62.1	3800	U	<	62.1	380	U	<	62.1	370	U
Dimethylphthalate	ND	0 / 30	<	63.3	3800	U	<	63.3	380	U	<	63.3	370	U
Di-n-butylphthalate	4500	1 / 30	<	65.9	3800	U	<	65.9	790	U	<	65.9	570	U
Di-n-octylphthalate	ND	0 / 30	<	58.4	3800	U	<	58.4	380	U	<	58.4	370	U
Fluoranthene	ND	0 / 30	<	65.4	3800	U	<	65.4	380	U	<	65.4	370	U
Fluorene	ND	0 / 30	<	61.3	3800	U	<	61.3	380	U	<	61.3	370	U
Hexachlorobenzene	ND	0 / 30	<	60.3	3800	U	<	60.3	380	U	<	60.3	370	U
Hexachlorobutadiene	ND	0 / 30	<	51.7	3800	U	<	51.7	380	U	<	51.7	370	U
Hexachlorocyclopentadiene	ND	0 / 30	<	44	3800	U	<	44	380	U	<	44	370	U
Hexachloroethane	ND	0 / 30	<	49.9	3800	U	<	49.9	380	U	<	49.9	370	U
Indeno(1,2,3-cd)pyrene	ND	0 / 30	<	60.4	3800	U	<	60.4	380	U	<	60.4	370	U
Isophorone	93 F	1 / 30	<	57	3800	U	<	57	380	U	<	57	370	U
Naphthalene	220 F	2 / 30	<	50.5	3800	U	<	50.5	380	U	<	50.5	370	U
Nitrobenzene	ND	0 / 30	<	49.8	3800	U	<	49.8	380	U	<	49.8	370	U
N-Nitroso-di-n-propylamine	ND	0 / 30	<	54.9	3800	U	<	54.9	380	U	<	54.9	370	U
N-Nitrosodiphenylamine	ND	0 / 30	<	50.6	3800	U	<	50.6	380	U	<	50.6	370	U
Pentachlorophenol	ND	0 / 30	<	58.7	7600	U	<	58.7	750	U	<	58.7	740	U
Phenanthrene	ND	0 / 30	<	58.2	3800	U	<	58.2	380	U	<	58.2	370	U
Phenol	ND	0 / 30	<	43	3800	U	<	43	380	U	<	43	370	U
Pyrene	ND	0 / 30	<	54.1	3800	U	<	54.1	380	U	<	54.1	370	U
PETROLEUM HYDROCARBONS (mg/kg)														
Diesel Hydrocarbons	470 J	12 / 30	470	5	58	J	330	5	57		17	1	11	
Gasoline Hydrocarbons	160 J	6 / 30	<	0.3	1	U	0.4	0.3	1	F	<	0.3	1	U
METALS (mg/kg)														
Aluminum	7650	30 / 30	3660	4.01	14		7070	80	274		3280	4.01	14	
Antimony	1.9	4 / 30	1.5	0.21	0.8		<	0.21	0.8	U	1.6	0.21	0.8	J
Arsenic	3.4	30 / 30	2.8	0.17	0.7		2.1	0.17	0.7		1.6	0.17	0.7	
Barium	1720	30 / 30	1720	1.9	23		358	0.94	11		333	1.90	23	
Beryllium	0.82	30 / 30	0.31	0.04	0.2		0.58	0.04	0.2		0.16	0.04	0.2	F
Cadmium	0.095 F	9 / 30	0.095	0.03	0.6	F	<	0.03	0.6	U	<	0.03	0.6	UJ

SUMMARY OF SOIL ANALYTICAL DATA FROM SITE SD-11
CANNON AFB, NEW MEXICO

FIELD ID			C11-SB09-012				C11-SB09-017				C11-SB09-022			
DATE COLLECTED			May 17, 2007				May 17, 2007				May 17, 2007			
	Maximum	Frequency	Result	MDL	RL	Qual	Result	MDL	RL	Qual	Result	MDL	RL	Qual
Calcium	230000	30 / 30	206000	33	461		103000	16.4	228		230000	32.8	450	
Chromium	6.8	30 / 30	3	0.03	0.6		6.2	0.03	0.6		3.2	0.03	0.6	J
Cobalt	3.11	30 / 30	0.55	0.05	0.6	F	2.1	0.05	0.6		0.44	0.05	0.6	J
Copper	3.9	30 / 30	1.6	0.09	0.6		3.2	0.09	0.6		0.53	0.09	0.6	F
Iron	7310	30 / 30	3330	1.63	6		6880	32.60	114		2520	1.63	6	
Lead	8	30 / 30	1.1	0.09	6	F	4.3	0.09	6	F	<	0.09	6	UJ
Magnesium	9260 J	30 / 30	2510	2.41	9		4010	2.41	9		5660	2.41	9	J
Manganese	107	30 / 30	98.2	0.13	0.6		53.9	0.13	0.6		33.6	0.13	0.6	J
Mercury	0.017 F	4 / 30	0.012	0.01	0.1		0.013	0.01	0.1	F	<	0.01	0.1	U
Nickel	7.1	30 / 30	3.7	0.07	0.6		6.2	0.07	0.6		2.4	0.07	0.6	J
Potassium	1990	30 / 30	928	13.88	115		1960	13.88	114		666	13.88	113	
Selenium	0.31 F	2 / 30	<	0.24	0.9	U	<	0.24	0.9	U	<	0.24	0.9	UJ
Silver	0.089 F	2 / 30	<	0.04	0.2	U	<	0.04	0.2	U	0.089	0.04	0.2	F
Sodium	87.2 F	9 / 30	<	7.36	115	U	<	7.36	114	U	<	7.36	113	U
Thallium	1.6 F	30 / 30	0.63	0.21	2	F	0.64	0.21	2	F	0.98	0.21	2	J
Vanadium	17.7	30 / 30	10.6	0.06	0.6		15.7	0.06	0.6		14.3	0.06	0.6	J
Zinc	13.1	30 / 30	8.4	1.15	6		12.7	1.15	6		3.7	1.15	6	J

Notes:

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

MDL = Method Detection Limit

RL = Reporting Limit

Qual = Qualifier

ND = Not Detected

J = Estimated

U = Nondetect

UJ = Estimated Nondetect

F = Result between MDL and RL

B.2 Data Reviews

Cannon AFB Data Review

Laboratory SDG: 53544

Reviewer: Tony Sedlacek

Date Reviewed: 6/07/2007

Guidance: HQ Air Force Center for Environmental Excellence Quality Assurance Project Plan Final Version 4.0.01

Applicable QAPP: Cannon AFB SD-11 QAPP (URS, 2006)

Sample Identification #	Sample Identification #
C11-SB04-018	C11-SB04-025
C11-SB04-030	C11-SB04-218
C11-SB05-009	C11-SB05-018
C11-SB05-024	C11-SB05-209
C11-SB02-007	C11-SB02-013
C11-SB02-019	C11-SB03-018
C11-SB03-023	C11-SB03-027

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

The laboratory case narrative did not indicate any problems.

The cooler receipt form indicated the sample collection time on the COC for sample C11-SB04-018 did not match the time on the sample label. The time was verified from the field log book and the time on the COC was correct; therefore, the sample time from the COC was used. No qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

No

Blank ID	Parameter	Analyte	Concentration	Units
N/A				

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
N/A				

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
N/A					

Analytical data that required qualification based on LCS data are included in the table below. Analytical data, which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes

Field ID	Parameter	Surrogate	Recovery	Criteria
N/A				

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data, which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples collected as part of this SDG?

Yes, sample C11-SB02-019 was spiked and analyzed for TPH-DRO and TPH-GRO.

Were MS/MSD recoveries within evaluation criteria?

Yes

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
N/A					

Analytical data that required qualification based on MS/MSD data are included in the table below.

Field ID	Parameter	Analyte	Qualification
N/A			

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

Were laboratory duplicate sample RPDs within criteria?

N/A

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
C11-SB04-018	C11-SB04-218
C11-SB05-009	C11-SB05-209

Were field duplicates within evaluation criteria?

Yes

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
N/A					

10.0 Sample Dilutions

For samples which were diluted, were undiluted results also reported?

No

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
C11-SB04-025	TPH-GRO	9
C11-SB04-030	TPH-GRO	10

11.0 Additional Qualifications

Were additional qualifications applied?

No

Cannon AFB Data Review

Laboratory SDG: 53545

Reviewer: Tony Sedlacek

Date Reviewed: 7/30/2007

Guidance: HQ Air Force Center for Environmental Excellence Quality Assurance Project Plan Final Version 4.0.01

Applicable QAPP: Cannon AFB SD-11 QAPP (URS, 2006)

Sample Identification #	Sample Identification #
C11-SB04-018	C11-SB04-025
C11-SB04-030	C11-SB04-218
C11-SB05-009	C11-SB05-018
C11-SB05-024	C11-SB05-209
C11-SB02-007	C11-SB02-013
C11-SB02-019	C11-SB03-018
C11-SB03-023	C11-SB03-027

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that VOC and SVOC target analytes were detected in the method blanks. VOC and SVOC LCS recoveries were outside evaluation criteria. VOC, SVOC and metal MS/MSD recoveries and RPDs were outside evaluation criteria. Laboratory duplicate RPD for barium was outside evaluation criteria. Although not indicated in the laboratory case narrative, and samples were evaluated and qualified using professional judgment. These issues are addressed further in the appropriate sections below.

The cooler receipt form indicated the sample collection time on the COC for C11-SB04-018 did not match the time on the sample label. The time was verified from the field log

book and the time on the COC was correct; therefore, the sample time from the COC was used. No qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration	Units
070524S-BLK	SVOCs	Bis(2 ethylhexyl) phthalate	110	µg/kg
070524S-BLK	SVOCs	Di-n-butylphthalate	230	µg/kg
070529S-BLK	VOCs	Acetone	0.02	mg/kg
A1070521-BLK	Metals	Calcium	1.4	mg/kg

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
C11-SB04-018	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB04-018	SVOCs	Di-n-butylphthalate	-	U
C11-SB04-025	SVOCs	Di-n-butylphthalate	-	U
C11-SB04-030	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB04-030	SVOCs	Di-n-butylphthalate	-	U
C11-SB04-218	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB04-218	SVOCs	Di-n-butylphthalate	-	U
C11-SB05-009	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB05-009	SVOCs	Di-n-butylphthalate	-	U
C11-SB05-018	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB05-018	SVOCs	Di-n-butylphthalate	-	U
C11-SB05-024	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB05-209	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB05-209	SVOCs	Di-n-butylphthalate	**370**	U
C11-SB02-007	SVOCs	Bis(2-ethylhexyl) phthalate	-	U

Field ID	Parameter	Analyte	New RL	Qualification
C11-SB02-007	SVOCs	Di-n-butylphthalate	**470**	**U**
C11-SB02-013	SVOCs	Bis(2-ethylhexyl) phthalate	-	**U**
C11-SB02-013	SVOCs	Di-n-butylphthalate	-	**U**
C11-SB02-019	SVOCs	Di-n-butylphthalate	-	**U**
C11-SB03-018	SVOCs	Bis(2-ethylhexyl) phthalate	-	**U**
C11-SB03-018	SVOCs	Di-n-butylphthalate	-	**U**
C11-SB03-023	SVOCs	Bis(2-ethylhexyl) phthalate	-	**U**
C11-SB03-023	SVOCs	Di-n-butylphthalate	-	**U**
C11-SB03-027	SVOCs	Bis(2-ethylhexyl) phthalate	-	**U**
C11-SB03-027	SVOCs	Di-n-butylphthalate	-	**U**
C11-SB04-018	VOCs	Acetone	-	**U**
C11-SB03-023	VOCs	Acetone	-	**U**
C11-SB03-027	VOCs	Acetone	-	**U**

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/ RPD Criteria
070524S-LCS	SVOCs	Di-n-butylphthalate	**507**	N/A	55-110
070518S-LCS	VOCs	1,2-Dichloropropane	**124**	N/A	71-120
070518S-LCS	VOCs	Acetone	**148**	N/A	40-141

Analytical data that required qualification based on LCS data are included in the table below. Analytical data, which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
C11-SB05-024	VOCs	Acetone	**J**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes

Field ID	Parameter	Surrogate	Recovery	Criteria
N/A				

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data, which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Surrogate recoveries that were outside evaluation criteria and associated with quality control samples did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples collected as part of this SDG?

Yes, sample C11-SB02-019 was spiked and analyzed for VOCs, SVOCs and metals.

Were MS/MSD recoveries within evaluation criteria?

No, 13 out of 63 MS, 34 out of 63 MSD VOC recoveries were outside evaluation criteria and 25/63 RPD were outside evaluation criteria and are not listed individually in the following table.

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
C11-SB02-019	SVOCs	Bis(2-Chloroethyl) ether	56.5/77.2	**31**	30-120/30
C11-SB02-019	Metals	Potassium	**141**	N/A	80-120

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for inorganic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification. USEPA National Functional Guidelines for Organic Data Review indicates that organic data should not be qualified based on MS/MSD data alone and LCS recoveries were within evaluation criteria, therefore no qualification of the data was required.

Field ID	Parameter	Analyte	Qualification
C11-SB02-019	Metals	Potassium	**J**

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

Yes, sample C11-SB02-019 was duplicated and analyzed for metals.

Were laboratory duplicate sample RPDs within criteria?

No

Field ID	Parameter	Analyte	RPD	Criteria
C11-SB02-019	Metals	Barium	**125**	20

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
C11-SB02-019	Metals	Barium	**J**

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
C11-SB04-018	C11-SB04-218
C11-SB05-009	C11-SB05-209

Were field duplicates within evaluation criteria?

Yes

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
N/A					

10.0 Sample Dilutions

For samples which were diluted, were undiluted results also reported?

Yes

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
N/A		

11.0 Additional Qualifications

Were additional qualifications applied?

Yes

Professional judgment was used to qualify the common laboratory contaminant methylene chloride reported at concentrations less than two times (2X) the RL.

Field ID	Analyte	New RL	Qualification	Comments
C11-SB05-024	Methylene chloride	-	**U**	Professional Judgment
C11-SB03-023	Methylene chloride	-	**U**	Professional Judgment
C11-SB03-027	Methylene chloride	-	**U**	Professional Judgment

Cannon AFB Data Review

Laboratory SDG: 53546

Reviewer: Tony Sedlacek

Date Reviewed: 6/06/2007

Guidance: HQ Air Force Center for Environmental Excellence Quality Assurance Project Plan Final Version 4.0.01

Applicable QAPP: Cannon AFB SD-11 QAPP (URS, 2006)

Sample Identification #	Sample Identification #
C11-SB01-010	C11-SB01-020
C11-SB01-024	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

No, problems were indicated in the laboratory case narrative or cooler receipt form.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

No

Blank ID	Parameter	Analyte	Concentration	Units
N/A				

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
N/A				

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
N/A					

Analytical data that required qualification based on LCS data are included in the table below. Analytical data, which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes

Field ID	Parameter	Surrogate	Recovery	Criteria
N/A				

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data, which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples collected as part of this SDG?

No

Were MS/MSD recoveries within evaluation criteria?

N/A

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
N/A					

Analytical data that required qualification based on MS/MSD data are included in the table below.

Field ID	Parameter	Analyte	Qualification
N/A			

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

Were laboratory duplicate sample RPDs within criteria?

N/A

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

Field ID	Field Duplicate ID
N/A	

Were field duplicates within evaluation criteria?

N/A

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
N/A					

10.0 Sample Dilutions

For samples which were diluted, were undiluted results also reported?

Samples did not require a dilution.

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
N/A		

11.0 Additional Qualifications

Were additional qualifications applied?

No

Cannon AFB Data Review

Laboratory SDG: 53547

Reviewer: Tony Sedlacek

Date Reviewed: 6/19/2007

Guidance: HQ Air Force Center for Environmental Excellence Quality Assurance Project Plan Final Version 4.0.01

Applicable QAPP: Cannon AFB SD-11 QAPP (URS, 2006)

Sample Identification #	Sample Identification #
C11-SB01-010	C11-SB02-020
C11-SB01-024	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that SVOCs and metals were detected in the method blanks. The LCS recovery was outside evaluation criteria for Di-n-butylphthalate. Although not indicated in the laboratory case narrative, samples were evaluated and qualified using professional judgment. These issues are addressed further in the appropriate sections below.

The cooler receipt form indicated no discrepancies.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration	Units
070524-BLK	SVOCs	Bis(2-ethylhexyl)phthalate	110	µg/kg
070524-BLK	SVOCs	Di-n-butylphthalate	230	µg/kg
070522-BLK	Metals	Antimony	0.28	mg/kg
070522-BLK	Metals	Calcium	2.8	mg/kg
070522-BLK	Metals	Selenium	0.33	mg/kg

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
C11-SB01-010	SVOCs	Di-n-butylphthalate	-	**U**
C11-SB01-020	SVOCs	Bis(2-ethylhexyl)phthalate	-	**U**
C11-SB01-020	SVOCs	Di-n-butylphthalate	-	**U**
C11-SB01-024	SVOCs	Bis(2-ethylhexyl)phthalate	-	**U**
C11-SB01-024	SVOCs	Di-n-butylphthalate	-	**U**
C11-SB01-010	Metals	Antimony	-	**U**
C11-SB01-020	Metals	Antimony	-	**U**

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS ID	Parameter	Analyte	LCS Recovery	RPD	LCS Criteria
070524	SVOCs	Di-n-butylphthalate	**507**	N/A	55-110

Analytical data that required qualification based on LCS data are included in the table below. Analytical data, which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. The compound Di-n-butylphthalate was detected in all samples associated with LCS 070524. However, Di-n-butylphthalate was previously qualified due to blank contamination, therefore; no additional qualification is need.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes

Field ID	Parameter	Surrogate	Recovery	Criteria
N/A				

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data, which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples collected as part of this SDG?

No

Were MS/MSD recoveries within evaluation criteria?

N/A

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
N/A					

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for inorganic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification. USEPA National Functional Guidelines for Low Concentration Organic Data Review indicates that organic data should not be qualified based on MS/MSD data alone and LCS recoveries were within evaluation criteria, therefore no qualification of the data was required.

Field ID	Parameter	Analyte	Qualification
N/A			

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

Were laboratory duplicate sample RPDs within criteria?

N/A

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

Field ID	Field Duplicate ID
N/A	

Were field duplicates within evaluation criteria?

N/A

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
N/A					

10.0 Sample Dilutions

For samples which were diluted, were undiluted results also reported?

Yes

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
N/A		

11.0 Additional Qualifications

Were additional qualifications applied?

Yes

Professional judgment was used to qualify the common laboratory contaminants acetone and methylene chloride reported at concentrations less than two times (2X) the RL. Additionally, since acetone is a common laboratory contaminant and the samples were collected from a Total Petroleum Hydrocarbon driven site. Professional judgment was used to qualify acetone as nondetect in sample C11-SB01-020.

Field ID	Analyte	New RL	Qualification	Comments
C11-SB01-010	Methylene chloride	-	U	Professional Judgment
C11-SB01-020	Methylene chloride	-	U	Professional Judgment
C11-SB01-024	Methylene chloride	-	U	Professional Judgment
C11-SB01-010	Acetone	-	U	Professional Judgment
C11-SB01-020	Acetone	-	U	Professional Judgment
C11-SB01-024	Acetone	-	U	Professional Judgment

Cannon AFB Data Review

Laboratory SDG: 53564

Reviewer: Tony Sedlacek

Date Reviewed: 6/08/2007

Guidance: HQ Air Force Center for Environmental Excellence Quality Assurance Project Plan Final Version 4.0.01

Applicable QAPP: Cannon AFB SD-11 QAPP (URS, 2006)

Sample Identification #	Sample Identification #
C11-SB06-008	C11-SB06-015
C11-SB06-024	C11-SB07-018
C11-SB07-218	C11-SB07-024
C11-SB07-034	C11-SB08-217
C11-SB08-017	C11-SB08-024
C11-SB08-030	C11-SB08-036
C11-SB08-042	C11-SB08-050

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that several TPH-GRO surrogate recoveries were outside evaluation criteria. This issue is addressed further in the appropriate section below.

The cooler receipt form indicated no discrepancies.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

No

Blank ID	Parameter	Analyte	Concentration	Units
N/A				

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
N/A				

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
N/A					

Analytical data that required qualification based on LCS data are included in the table below. Analytical data, which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Field ID	Parameter	Surrogate	Recovery	Criteria
C11-SB08-217	TPH-GRO	Bromofluorobenzene	**183**	60-140
C11-SB08-017	TPH-GRO	Bromofluorobenzene	**252**	60-140
C11-SB08-024	TPH-GRO	Bromofluorobenzene	**246**	60-140
C11-SB08-030	TPH-GRO	Bromofluorobenzene	**151**	60-140

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data, which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
C11-SB08-217	TPH	GRO	**J**
C11-SB08-017	TPH	GRO	**J**
C11-SB08-024	TPH	GRO	**J**
C11-SB08-030	TPH	GRO	**J**

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples collected as part of this SDG?

Yes, sample C11-SB08-036 was spiked and analyzed for TPH-DRO and TPH-GRO.

Were MS/MSD recoveries within evaluation criteria?

Yes

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
N/A					

Analytical data that required qualification based on MS/MSD data are included in the table below.

Field ID	Parameter	Analyte	Qualification
N/A			

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

Were laboratory duplicate sample RPDs within criteria?

N/A

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
C11-SB07-018	C11-SB07-218
C11-SB08-017	C11-SB08-217

Were field duplicates within evaluation criteria?

Yes

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
N/A					

10.0 Sample Dilutions

For samples which were diluted, were undiluted results also reported?

Yes

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
N/A		

11.0 Additional Qualifications

Were additional qualifications applied?

No

Cannon AFB Data Review

Laboratory SDG: 53565

Reviewer: Tony Sedlacek

Date Reviewed: 06/18/2007

Guidance: HQ Air Force Center for Environmental Excellence Quality Assurance Project Plan Final Version 4.0.01

Applicable QAPP: Cannon AFB SD-11 QAPP (URS, 2006)

Sample Identification #	Sample Identification #
C11-SB06-008	C11-SB06-015
C11-SB06-024	C11-SB07-018
C11-SB07-218	C11-SB07-024
C11-SB07-034	C11-SB08-217
C11-SB08-017	C11-SB08-024
C11-SB08-030	C11-SB08-036
C11-SB08-042	C11-SB08-050

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that VOCs, SVOCs and metals were detected in the methods blanks. SVOC LCS recoveries, VOC and SVOC surrogate recoveries and VOC, SVOC and metal MS/MSD recoveries and RPDs were outside evaluation criteria. Although, not indicated in the laboratory case narrative, samples were evaluated and qualified using professional judgment. These issues are addressed further in the appropriate sections below.

The cooler receipt form indicated no discrepancies.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration	Units
070530-BLK	SVOCs	Bis(2-ethylhexyl) phthalate	170	µg/kg
070530-BLK	SVOCs	Di-n-butylphthalate	200	µg/kg
070529-BLK	VOCs	Acetone	0.02	mg/kg
070521-BLK	Metals	Antimony	0.34	mg/kg
070521-BLK	Metals	Chromium	0.030	mg/kg
070521-BLK	Metals	Calcium	8.0	mg/kg

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
C11-SB06-008	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB06-008	SVOCs	Di-n-butylphthalate	-	U
C11-SB06-015	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB06-015	SVOCs	Di-n-butylphthalate	-	U
C11-SB06-024	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB06-024	SVOCs	Di-n-butylphthalate	-	U
C11-SB07-018	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB07-018	SVOCs	Di-n-butylphthalate	-	U
C11-SB07-218	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB07-218	SVOCs	Di-n-butylphthalate	-	U
C11-SB07-024	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB07-024	SVOCs	Di-n-butylphthalate	-	U
C11-SB07-034	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB07-034	SVOCs	Di-n-butylphthalate	-	U
C11-SB08-217	SVOCs	Bis(2-ethylhexyl) phthalate	-	U

Field ID	Parameter	Analyte	New RL	Qualification
C11-SB08-217	SVOCs	Di-n-butylphthalate	-	U
C11-SB08-017	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB08-017	SVOCs	Di-n-butylphthalate	-	U
C11-SB08-024	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB08-024	SVOCs	Di-n-butylphthalate	-	U
C11-SB08-030	SVOCs	Di-n-butylphthalate	-	U
C11-SB08-036	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB08-036	SVOCs	Di-n-butylphthalate	-	U
C11-SB08-042	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB08-042	SVOCs	Di-n-butylphthalate	-	U
C11-SB08-050	SVOCs	Bis(2-ethylhexyl) phthalate	-	U
C11-SB08-050	SVOCs	Di-n-butylphthalate	-	U
C11-SB08-024	VOCs	Acetone	-	U
C11-SB08-030	VOCs	Acetone	0.1	U
C11-SB08-036	VOCs	Acetone	-	U
C11-SB08-042	VOCs	Acetone	-	U
C11-SB08-050	VOCs	Acetone	-	U
C11-SB06-008	Metals	Antimony	1.5	U
C11-SB06-024	Metals	Antimony	-	U
C11-SB07-218	Metals	Antimony	-	U
C11-SB07-024	Metals	Antimony	0.74	U
C11-SB07-034	Metals	Antimony	-	U
C11-SB08-217	Metals	Antimony	0.83	U
C11-SB08-017	Metals	Antimony	0.78	U
C11-SB08-024	Metals	Antimony	0.91	U
C11-SB08-030	Metals	Antimony	0.85	U
C11-SB08-036	Metals	Antimony	-	U
C11-SB08-042	Metals	Antimony	-	U

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS ID	Parameter	Analyte	LCS Recovery	RPD	LCS Criteria
070530	SVOCs	Di-n-butylphthalate	**114**	N/A	55-110

Analytical data that required qualification based on LCS data are included in the table below. Analytical data, which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. The compound Di-n-butylphthalate was previously qualified due to method blank contamination; therefore, no additional qualification was needed.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Field ID	Parameter	Surrogate	Recovery	Criteria
C11-SB08-030	SVOCs	2-Fluorobiphenyl	**34.5**	45-105
C11-SB08-030	SVOCs	Nitrobenzene-d_5	**27.6**	35-100
C11-SB08-030	SVOCs	Phenol-d_6	**33.0**	40-100
C11-SB08-050	SVOCs	2-Fluorobiphenyl	**20.2**	45-105
C11-SB08-050	SVOCs	2-Fluorophenol	**17.8**	35-105
C11-SB08-050	SVOCs	Nitrobenzene-d_5	**14.6**	35-100
C11-SB08-050	SVOCs	Phenol-d_6	**16.0**	40-100
C11-SB08-217	VOCs	4-Bromofluorobenzene	**121**	84-118
C11-SB08-017	VOCs	4-Bromofluorobenzene	**133**	84-118
C11-SB08-024	VOCs	Toluene-d_8	**117**	84-116
C11-SB08-030	VOCs	4-Bromofluorobenzene	**121**	84-118
C11-SB08-050	VOCs	4-Bromofluorobenzene	**121**	84-118

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data, which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Since only one acid fraction surrogate was outside criteria for sample C11-SB08-030 and Functional Guidelines indicates to qualify data if two or more surrogates per SVOC fraction are outside criteria, no qualification of the acid fraction SVOC data for sample C11-SB08-030 was required.

Field ID	Parameter	Analyte	Qualification
C11-SB08-030	SVOCs	All base/neutral fraction SVOCs	**J/UJ**
C11-SB08-050	SVOCs	All SVOCs	**UJ**
C11-SB08-217	VOCs	All detected VOCs	**J**
C11-SB08-017	VOCs	All detected VOCs	**J**

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples collected as part of this SDG?

Yes, sample C11-SB08-036 was spiked and analyzed for VOCs, SVOCs, metals and mercury.

Were MS/MSD recoveries within evaluation criteria?

No, 1 out of 64 MS, 14 out of 64 MSD SVOC recoveries were below evaluation criteria and 34 of 64 SVOC RPDs were outside evaluation criteria for spiked sample C11-SB08-036. In addition, 51 out of 63 MS, 60 out of 63 MSD VOC recoveries were below evaluation criteria and 63 out of 63 VOC RPDs were outside evaluation criteria for spiked sample C11-SB08-036 and are not listed individually in the following table.

MS/MSD ID	Parameter	Analyte	MS Recovery	RPD	MS Criteria
C11-SB08-036	Metals	Antimony	**50.6**	N/A	80-120
C11-SB08-036	Metals	Magnesium	**68.7**	N/A	80-120

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for inorganic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification. Although, USEPA National Functional Guidelines for Organic Data Review indicates that organic data should not be qualified based on MS/MSD data alone, since a majority of VOC MS/MSD recoveries were below evaluation criteria in the spiked sample C11-SB08-036, all analytes in the sample were qualified.

Field ID	Parameter	Analyte	Qualification
C11-SB08-036	VOCs	All VOCs	**UJ**
C11-SB08-036	Metals	Antimony	**UJ**
C11-SB08-036	Metals	Magnesium	**J**

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

Yes, sample C11-SB8-036 was duplicated and analyzed for metals

Were laboratory duplicate sample RPDs within criteria?

Yes

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
C11-SB07-018	C11-SB07-218
C11-SB08-017	C11-SB08-217

Were field duplicates within evaluation criteria?

No

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
C11-SB08-017	C11-SB08-217	VOCs	m,p-Xylenes	**57**	**J**
C11-SB08-017	C11-SB08-217	VOCs	p-Isopropyltoluene	**172**	**J**
C11-SB08-017	C11-SB08-217	VOCs	Caprolactam	**57**	**J**

10.0 Sample Dilutions

For samples which were diluted, were undiluted results also reported?

Yes

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
N/A		

11.0 Additional Qualifications

Were additional qualifications applied?

Yes

Professional judgment was used to qualify the common laboratory contaminants acetone, and methylene chloride reported at concentrations less than two times (2X) the RL. Additionally, USEPA Method 5035A states that acidification of certain soils with sodium bisulfate may produce a false positive acetone artifact of 100-200 ppb, or more. Acetone reported at concentrations less than 200 ppb (µg/kg) were qualified.

Field ID	Analyte	New RL	Qualification	Comments
C11-SB06-015	Acetone	-	U	Professional Judgment
C11-SB06-024	Acetone	-	U	Professional Judgment
C11-SB07-018	Acetone	-	U	Professional Judgment
C11-SB07-018	Methylene chloride	-	U	Professional Judgment
C11-SB07-218	Acetone	-	U	Professional Judgment
C11-SB07-218	Methylene chloride	-	U	Professional Judgment
C11-SB07-024	Acetone	-	U	Professional Judgment
C11-SB07-024	Methylene chloride	-	U	Professional Judgment
C11-SB07-034	Acetone	-	U	Professional Judgment
C11-SB07-034	Methylene chloride	-	U	Professional Judgment
C11-SB08-217	Acetone	-	U	Professional Judgment
C11-SB08-217	Methylene chloride	-	U	Professional Judgment
C11-SB08-017	Acetone	-	U	Professional Judgment
C11-SB08-017	Methylene chloride	-	U	Professional Judgment
C11-SB08-024	Methylene chloride	-	U	Professional Judgment
C11-SB08-030	Methylene chloride	-	U	Professional Judgment
C11-SB08-036	Methylene chloride	-	U	Professional Judgment
C11-SB08-042	Methylene chloride	-	U	Professional Judgment
C11-SB08-050	Methylene chloride	-	U	Professional Judgment

Cannon AFB Data Review

Laboratory SDG: 53580

Reviewer: Tony Sedlacek

Date Reviewed: 06/18/2007

Guidance: HQ Air Force Center for Environmental Excellence Quality Assurance Project Plan Final Version 4.0.01

Applicable QAPP: Cannon AFB SD-11 QAPP (URS, 2006)

Sample Identification #	Sample Identification #
C11-SB09-012	C11-SB09-017
C11-SB09-22	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that surrogate recovery for o-terphenyl was outside evaluation criteria in sample C11-SB09-012. Although not indicated in the laboratory case narrative, samples were diluted due to high levels of target analytes. These issues are addressed further in the appropriate sections below.

The cooler receipt form indicated no discrepancies.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

No

Blank ID	Parameter	Analyte	Concentration	Units
N/A				

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
N/A				

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
N/A					

Analytical data that required qualification based on LCS data are included in the table below. Analytical data, which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Field ID	Parameter	Surrogate	Recovery	Criteria
C11-SB09-012	TPH-DRO	*o*-Terphenyl	**669**	47-142

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data, which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
C11-SB09-012	TPH	DRO	**J**

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples collected as part of this SDG?

No

Were MS/MSD recoveries within evaluation criteria?

N/A

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
N/A					

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for inorganic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification. USEPA National Functional Guidelines for Low Concentration Organic Data Review indicates that organic data should not be qualified based on MS/MSD data alone and LCS recoveries were within evaluation criteria, therefore no qualification of the data was required.

Field ID	Parameter	Analyte	Qualification
N/A			

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

Were laboratory duplicate sample RPDs within criteria?

N/A

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

Field ID	Field Duplicate ID
N/A	

Were field duplicates within evaluation criteria?

N/A

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
N/A					

10.0 Sample Dilutions

For samples which were diluted, were undiluted results also reported?

No

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
C11-SB09-012	TPH-DRO	5
C11-SB09-017	TPH-DRO	5

11.0 Additional Qualifications

Were additional qualifications applied?

No

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration	Units
070531-BLK	SVOCs	Bis(2-ethylhexyl) phthalate	160	µg/kg
070531-BLK	SVOCs	Di-n-butylphthalate	540	µg/kg
070530-BLK	VOCs	Acetone	0.02	mg/kg
070522-BLK	Metals	Antimony	0.28	mg/kg
070522-BLK	Metals	Selenium	0.33	mg/kg
070522-BLK	Metals	Calcium	2.8	mg/kg

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
C11-SB09-017	SVOCs	Bis(2-ethylhexyl) phthalate	-	**U**
C11-SB09-017	SVOCs	Di-n-butylphthalate	790	**U**
C11-SB09-022	SVOCs	Bis(2-ethylhexyl) phthalate	-	**U**
C11-SB09-022	SVOCs	Di-n-butylphthalate	570	**U**
C11-SB09-012	VOCs	Acetone	-	**U**
C11-SB09-017	VOCs	Acetone	-	**U**
C11-SB09-022	VOCs	Acetone	-	**U**
C11-SB09-017	Metals	Antimony	0.74	**U**

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS ID	Parameter	Analyte	LCS Recovery	RPD	LCS Criteria
070531-LCS	SVOCs	Di-n-butylphthalate	**127**	N/A	55-110
070530-LCS	VOCs	Acetone	**148**	N/A	40-141

MS/MSD ID	Parameter	Analyte	MS Recovery	RPD	MS Criteria
C11-SB09-022	Metals	Antimony	**56.5**	N/A	80-120
C11-SB09-022	Metals	Cadmium	**75.0**	N/A	80-120
C11-SB09-022	Metals	Chromium	**76.2**	N/A	80-120
C11-SB09-022	Metals	Cobalt	**76.5**	N/A	80-120
C11-SB09-022	Metals	Lead	**74.4**	N/A	80-120
C11-SB09-022	Metals	Magnesium	**74.7**	N/A	80-120
C11-SB09-022	Metals	Manganese	**72.0**	N/A	80-120
C11-SB09-022	Metals	Nickel	**74.2**	N/A	80-120
C11-SB09-022	Metals	Selenium	**73.3**	N/A	80-120
C11-SB09-022	Metals	Thallium	**72.7**	N/A	80-120
C11-SB09-022	Metals	Vanadium	**79.1**	N/A	80-120
C11-SB09-022	Metals	Zinc	**73.6**	N/A	80-120

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for inorganic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification.

Field ID	Parameter	Analyte	Qualification
C11-SB09-022	Metals	Antimony	**J**
C11-SB09-022	Metals	Cadmium	**UJ**
C11-SB09-022	Metals	Chromium	**J**
C11-SB09-022	Metals	Cobalt	**J**
C11-SB09-022	Metals	Lead	**UJ**
C11-SB09-022	Metals	Magnesium	**J**
C11-SB09-022	Metals	Manganese	**J**
C11-SB09-022	Metals	Nickel	**J**
C11-SB09-022	Metals	Selenium	**UJ**
C11-SB09-022	Metals	Thallium	**J**
C11-SB09-022	Metals	Vanadium	**J**
C11-SB09-022	Metals	Zinc	**J**

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

Yes, sample C11-SB09-022 was duplicated and analyzed for metals.

Were laboratory duplicate sample RPDs within criteria?

Yes

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

Field ID	Field Duplicate ID
N/A	

Were field duplicates within evaluation criteria?

N/A

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
N/A					

10.0 Sample Dilutions

For samples which were diluted, were undiluted results also reported?

No

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
C11-SB09-012	SVOCs	10

11.0 Additional Qualifications

Were additional qualifications applied?

No

B.3 Qualified Data Table

SUMMARY OF DATA QUALIFICATIONS

SDG	Field ID	Matrix	Analysis	Analyte	NEW RL	URS Qual.	Code	Comments
53545	C11-SB04-018	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53545	C11-SB04-018	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53545	C11-SB04-025	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53545	C11-SB04-030	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53545	C11-SB04-030	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53545	C11-SB04-218	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53545	C11-SB04-218	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53545	C11-SB05-009	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53545	C11-SB05-009	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53545	C11-SB05-018	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53545	C11-SB05-018	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53545	C11-SB05-024	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53545	C11-SB05-209	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53545	C11-SB05-209	Soil	SVOCs	Di-n-butylphthalate	370	U	MB	Method Blank Contamination
53545	C11-SB02-007	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53545	C11-SB02-007	Soil	SVOCs	Di-n-butylphthalate	470	U	MB	Method Blank Contamination
53545	C11-SB02-013	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53545	C11-SB02-013	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53545	C11-SB02-019	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53545	C11-SB03-018	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53545	C11-SB03-018	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53545	C11-SB03-023	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53545	C11-SB03-023	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53545	C11-SB03-027	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53545	C11-SB03-027	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53545	C11-SB04-018	Soil	VOCs	Acetone	-	U	MB	Method Blank Contamination
53545	C11-SB03-023	Soil	VOCs	Acetone	-	U	MB	Method Blank Contamination
53545	C11-SB03-027	Soil	VOCs	Acetone	-	U	MB	Method Blank Contamination
53545	C11-SB05-024	Soil	VOCs	Acetone	-	J	LH	LCS Recovery High
53545	C11-SB02-019	Soil	Metals	Barium	-	J	LD	Lab duplicate RPD > 20
53545	C11-SB05-024	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53545	C11-SB03-023	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53545	C11-SB03-027	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53545	C11-SB02-109	Soil	Metals	Potassium	-	J	MH	MS/MSD Recovery High
53547	C11-SB01-010	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53547	C11-SB01-020	Soil	SVOCs	Bis(2-ethylhexyl)phthalate	-	U	MB	Method Blank Contamination
53547	C11-SB01-020	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53547	C11-SB01-024	Soil	SVOCs	Bis(2-ethylhexyl)phthalate	-	U	MB	Method Blank Contamination
53547	C11-SB01-024	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53547	C11-SB01-010	Soil	Metals	Antimony	-	U	MB	Method Blank Contamination
53547	C11-SB01-020	Soil	Metals	Antimony	-	U	MB	Method Blank Contamination
53547	C11-SB01-010	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53547	C11-SB01-020	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53547	C11-SB01-024	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53547	C11-SB01-010	Soil	VOCs	Acetone	-	U	PJ	Professional Judgment
53547	C11-SB01-020	Soil	VOCs	Acetone	-	U	PJ	Professional Judgment
53547	C11-SB01-024	Soil	VOCs	Acetone	-	U	PJ	Professional Judgment
53564	C11-SB08-217	Soil	TPH	GRO	-	J	SL	Surrogate Recovery High
53564	C11-SB08-017	Soil	TPH	GRO	-	J	SL	Surrogate Recovery High
53564	C11-SB08-024	Soil	TPH	GRO	-	J	SL	Surrogate Recovery High
53564	C11-SB08-030	Soil	TPH	GRO	-	J	SL	Surrogate Recovery High
53565	C11-SB06-008	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53565	C11-SB06-008	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB06-015	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53565	C11-SB06-015	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB06-024	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination

SUMMARY OF DATA QUALIFICATIONS

SDG	Field ID	Matrix	Analysis	Analyte	NEW RL	URS Qual.	Code	Comments
53565	C11-SB06-024	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB07-018	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53565	C11-SB07-018	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB07-218	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53565	C11-SB07-218	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB07-024	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53565	C11-SB07-024	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB07-034	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53565	C11-SB07-034	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-217	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-217	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-017	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-017	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-024	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-024	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-030	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-036	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-036	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-042	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-042	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-050	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-050	Soil	SVOCs	Di-n-butylphthalate	-	U	MB	Method Blank Contamination
53565	C11-SB08-024	Soil	VOCs	Acetone	-	U	MB	Method Blank Contamination
53565	C11-SB08-030	Soil	VOCs	Acetone	0.1	U	MB	Method Blank Contamination
53565	C11-SB08-036	Soil	VOCs	Acetone	-	U	MB	Method Blank Contamination
53565	C11-SB08-042	Soil	VOCs	Acetone	-	U	MB	Method Blank Contamination
53565	C11-SB08-050	Soil	VOCs	Acetone	-	U	MB	Method Blank Contamination
53565	C11-SB06-008	Soil	Metals	Antimony	1.5	U	MB	Method Blank Contamination
53565	C11-SB06-024	Soil	Metals	Antimony	-	U	MB	Method Blank Contamination
53565	C11-SB07-218	Soil	Metals	Antimony	-	U	MB	Method Blank Contamination
53565	C11-SB07-024	Soil	Metals	Antimony	0.74	U	MB	Method Blank Contamination
53565	C11-SB07-034	Soil	Metals	Antimony	-	U	MB	Method Blank Contamination
53565	C11-SB08-217	Soil	Metals	Antimony	0.83	U	MB	Method Blank Contamination
53565	C11-SB08-017	Soil	Metals	Antimony	0.78	U	MB	Method Blank Contamination
53565	C11-SB08-024	Soil	Metals	Antimony	0.91	U	MB	Method Blank Contamination
53565	C11-SB08-030	Soil	Metals	Antimony	0.85	U	MB	Method Blank Contamination
53565	C11-SB08-036	Soil	Metals	Antimony	-	U	MB	Method Blank Contamination
53565	C11-SB08-042	Soil	Metals	Antimony	-	U	MB	Method Blank Contamination
53565	C11-SB08-030	Soil	SVOCs	All base/neutral fraction SVOCs	-	J/UJ	SL	Surrogate Recovery Low
53565	C11-SB08-050	Soil	SVOCs	All SVOCs	-	UJ	SL	Surrogate Recovery Low
53565	C11-SB08-217	Soil	VOCs	All detects	-	J	SH	Surrogate Recovery High
53565	C11-SB08-017	Soil	VOCs	All detects	-	J	SH	Surrogate Recovery High
53565	C11-SB08-036	Soil	VOCs	All VOCs	-	UJ	ML	MS/MSD Recovery Low
53565	C11-SB08-036	Soil	Metals	Antimony	-	UJ	ML	MS/MSD Recovery Low
53565	C11-SB08-036	Soil	Metals	Magnesium	-	J	ML	MS/MSD Recovery Low
53565	C11-SB06-015	Soil	VOCs	Acetone	-	U	PJ	Professional Judgment
53565	C11-SB06-024	Soil	VOCs	Acetone	-	U	PJ	Professional Judgment
53565	C11-SB07-018	Soil	VOCs	Acetone	-	U	PJ	Professional Judgment
53565	C11-SB07-018	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53565	C11-SB07-218	Soil	VOCs	Acetone	-	U	PJ	Professional Judgment
53565	C11-SB07-218	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53565	C11-SB07-024	Soil	VOCs	Acetone	-	U	PJ	Professional Judgment
53565	C11-SB07-024	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53565	C11-SB07-034	Soil	VOCs	Acetone	-	U	PJ	Professional Judgment
53565	C11-SB07-034	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53565	C11-SB08-217	Soil	VOCs	Acetone	-	U	PJ	Professional Judgment

SUMMARY OF DATA QUALIFICATIONS

SDG	Field ID	Matrix	Analysis	Analyte	NEW RL	URS Qual.	Code	Comments
53565	C11-SB08-217	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53565	C11-SB08-017	Soil	VOCs	Acetone	-	U	PJ	Professional Judgment
53565	C11-SB08-017	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53565	C11-SB08-024	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53565	C11-SB08-030	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53565	C11-SB08-036	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53565	C11-SB08-042	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53565	C11-SB08-050	Soil	VOCs	Methylene chloride	-	U	PJ	Professional Judgment
53565	C11-SB08-017	Soil	VOCs	m,p-Xylenes	-	J	FD	Field duplicate RPD > 50
53565	C11-SB08-217	Soil	VOCs	m,p-Xylenes	-	J	FD	Field duplicate RPD > 50
53565	C11-SB08-017	Soil	VOCs	p-Isopropyltoluene	-	J	FD	Field duplicate RPD > 50
53565	C11-SB08-217	Soil	VOCs	p-Isopropyltoluene	-	J	FD	Field duplicate RPD > 50
53565	C11-SB08-017	Soil	SVOCs	Caprolactam	-	J	FD	Field duplicate RPD > 50
53565	C11-SB08-217	Soil	SVOCs	Caprolactam	-	J	FD	Field duplicate RPD > 50
53580	C11-SB09-012	Soil	TPH	DRO	-	J	SH	Surrogate Recovery High
53581	C11-SB09-017	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53581	C11-SB09-017	Soil	SVOCs	Di-n-butylphthalate	790	U	MB	Method Blank Contamination
53581	C11-SB09-022	Soil	SVOCs	Bis(2-ethylhexyl) phthalate	-	U	MB	Method Blank Contamination
53581	C11-SB09-022	Soil	SVOCs	Di-n-butylphthalate	570	U	MB	Method Blank Contamination
53581	C11-SB09-012	Soil	VOCs	Acetone	-	U	MB	Method Blank Contamination
53581	C11-SB09-017	Soil	VOCs	Acetone	-	U	MB	Method Blank Contamination
53581	C11-SB09-022	Soil	VOCs	Acetone	-	U	MB	Method Blank Contamination
53581	C11-SB09-017	Soil	Metals	Antimony	0.74	U	MB	Method Blank Contamination
53581	C11-SB09-022	Soil	Metals	Antimony	-	J	ML	MS/MSD Recovery Low
53581	C11-SB09-022	Soil	Metals	Cadmium	-	UJ	ML	MS/MSD Recovery Low
53581	C11-SB09-022	Soil	Metals	Chromium	-	J	ML	MS/MSD Recovery Low
53581	C11-SB09-022	Soil	Metals	Cobalt	-	J	ML	MS/MSD Recovery Low
53581	C11-SB09-022	Soil	Metals	Lead	-	UJ	ML	MS/MSD Recovery Low
53581	C11-SB09-022	Soil	Metals	Magnesium	-	J	ML	MS/MSD Recovery Low
53581	C11-SB09-022	Soil	Metals	Manganese	-	J	ML	MS/MSD Recovery Low
53581	C11-SB09-022	Soil	Metals	Nickel	-	J	ML	MS/MSD Recovery Low
53581	C11-SB09-022	Soil	Metals	Selenium	-	UJ	ML	MS/MSD Recovery Low
53581	C11-SB09-022	Soil	Metals	Thallium	-	J	ML	MS/MSD Recovery Low
53581	C11-SB09-022	Soil	Metals	Vanadium	-	J	ML	MS/MSD Recovery Low
53581	C11-SB09-022	Soil	Metals	Zinc	-	J	ML	MS/MSD Recovery Low

FD Field Duplicate
MB Method Blank Contamination
LH LCS Recovery High
LD Laboratory Duplicate
PJ Professional Judgment
MH MS/MSD Recovery High
SL Surrogate Recovery Low
ML MS/MSD Recovery Low
SH Surrogate Recovery High

B.4 Chains of Custody (CoCs)

URS Corporation

12120 Shamrock Plaza Suite 300, Omaha, NE 68154 (402) 334-8181 Fax (402) 334-1984

CHAIN OF CUSTODY RECORD

Project Name: SD-11 Cannon AFB CMI	Project No.: 16169983
Project Location: Cannon AFB, New Mexico	Project Manager: Jeff Voelker
Sampler(s): Mike Sonderman, Skip Wrightson	

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	8260B VOCs	TPH GRO	8270C SVOCs	TPH GRO	TAL metals						Remarks
5-14-07	1423		X	C11-SB01-010	Soil	3	40ml VOA	X										4°C
	1423		X	" "		3	40ml VOA		X									4°C
	1423	X		" "		1	8 oz jar			X	X	X						4°C
	1455		X	C11-SB01-020		3	40ml VOA	X										4°C
	1455		X	" "		3	40ml VOA		X									4°C
	1455	X		" "		1	8 oz jar			X	X	X						4°C
	1515			C11-SB01-024		3	40ml VOA	X										4°C
	1515			" "		1	40ml VOA		X									4°C
	1515			" "		1	8 oz jar			X	X	X						4°C

Signatures	Date	Time	Shipping Details	Special Instructions
Relinquished by: [signature]	5-14-07	1715	Method of Shipment: Fed Ex	Note: Fast turn on TPH GRO & DRO. Call Jeff Aust URS-Omaha for instructions
Received by:			Airbill No.: 8620 8180 7515	
Relinquished by:			Lab Address: APPL Labs, 4203 W. Swift Ave., Fresno, CA 93722	
Received for Laboratory by: [signature]	5/14/07	1800		

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Project Name: Cannon AFB SD-11-CMI

Project No.: 76169883

Project Location: Cannon AFB, NM

Project Manager: Jeff Voelker

Sampler(s): Mike Sonderman Skip Wrighton

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	8260B VOCs	TPH GRO	TPH DRO	8270C SVOCs	TAL metals	Remarks
5-15-07	0745		X	C11-SB02-007	Soil	3	40ml VOA	X					4°C 2 water 1 methanol
	0745		X	" " "		3	40ml VOA		X				4°C 2 water 1 methanol
	0745	X		" " "		1	8oz jar			X	X	X	4°C
	0754		X	C11-SB02-013		3	40ml VOA	X					4°C 2 water 1 methanol
	0754		X	" " "		3	40ml VOA		X				4°C 2 water 1 methanol
	0754	X		" " "		1	8oz jar			X	X	X	4°C
	0809		X	C11-SB02-019		3	40ml VOA	X					4°C 2 water 1 methanol + MS/MSD
	0809		X	" " "		3	40ml VOA		X				4°C 2 water 1 methanol + MS/MSD
	0809	X		" " "		1	8oz jar			X	X	X	4°C + MS/MSD
	1020		X	C11-SB03-018		3	40ml VOA	X					4°C 2 water 1 methanol
	1020		X	" " "		3	40ml VOA		X				4°C 2 water 1 methanol
	1020	X		" " "		1	8oz jar			X	X	X	4°C
	1028		X	C11-SB03-023		3	40ml VOA	X					4°C 2 water 1 methanol
	1028		X	" " "		3	40ml VOA		X				4°C 2 water 1 methanol

Signatures	Date	Time
Relinquished by: Mike Sonderman	5-15-07	1720
Received by:		
Relinquished by:		
Received for Laboratory by:	5/26/07	1000

Shipping Details

Method of Shipment: FedEx

Airbill No.: 8620 8180 7526

Lab Address: APL, 4203 N. Swift Ave, Fresno, CA 93722

Special Instructions

TPH GRO & DRO for fast turn. Call Jeff Aust for instructions

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121216

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CHAIN OF CUSTODY RECORD

Project Name	Project No.
Cannon AFB SD-11 CMT	16169983
Project Location	**Project Manager**
Cannon AFB, NM	Jeff Voelker
Sampler(s)	
Mike Sonderman, Skip Wrightson	

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	8260B VOCs	TPH GRO	TPH DRO	8270C SVOCs	TAL Metals						Remarks
5-15-07	1028	X		C11-SB03-~~030~~ 023	Soil	1	8oz jar			X	X	X						4°C
↓	1100		X	C11-SB03-027	↓	3	40ml VOA	X										4°C 2 water, 1 methanol
	1100		X	" " -027		3	40ml VOA		X									4°C 2 water, 1 methanol
✓	1100	X		" " -027	✓	1	8oz jar			X	X	X						4°C

Signatures	Date	Time	Shipping Details	Special Instructions
Relinquished by: [signature]	5-15-07	1720	Method of Shipment: Fed Ex	see page 1 of 2
Received by:			Airbill No.: 8620 8180 7526	
Relinquished by:			Lab Address: APPL 4203 W. Swift Ave Fresno, CA 93722	
Received for Laboratory by: [signature]	5/16/07	1000		

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CHAIN OF CUSTODY RECORD

Project Name: Cannon AFB SD-11 CMI

Project No.: 16169983

Project Location: Cannon AFB, NM

Project Manager:

Sampler(s): Mike Sonderman, Skip Wrightson

Analytical Parameters: 8260B VOCs; TPH GRO; TPH DRO; 8270 SVOCs; TAL metals

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	8260B VOCs	TPH GRO	TPH DRO	8270 SVOCs	TAL metals	Remarks
5-15-07	1225		X	C11-SB04-018	Soil	3	40ml VOA	X					4°C 2 water, 1 methanol
	1225		X	" " "		3	" "	X					4°C 2 water, 1 methanol
	1225	X		" " "		1	8 oz jar		X	X	X		4°C
	1240		X	C11-SB04-025		3	40ml VOA	X					4°C 2 water, 1 methanol
	1240		X	" " "		3	" "		X				4°C 2 water, 1 methanol
	1240	X		" " "		1	8 oz jar			X	X	X	4°C
	1322		X	C11-SB04-030		3	40ml VOA	X					4°C 2 water, 1 methanol
	1322		X	" " "		3	" "		X				4°C 2 water, 1 methanol
	1322	X		" " "		1	8 oz jar			X	X	X	4°C
	1120		X	C-11-SB04-218		3	40ml VOA	X					4°C 2 water, 1 methanol
	1120		X	" " "		3	" "		X				4°C 2 water, 1 methanol
	1120	X		" " "		1	8 oz jar			X	X	X	4°C
	1405		X	C11-SB05-009		3	40ml VOA	X					4°C 2 water, 1 methanol
	1405		X	" " -		3	40ml VOA		X				4°C 2 water, 1 methanol

Signatures	Date	Time
Relinquished by: [signature]	5-15-07	1720
Received by:		
Relinquished by:		
Received for Laboratory by: [signature]	5/16/07	1000

Shipping Details:

Method of Shipment: Fed Ex

Airbill No.: 8620 8180 7526

Lab Address: ~~APPL 4203 W. Swift Ave~~ 4203 W. Swift Ave, Fresno, CA 93722

Special Instructions: TPH DRO + GRO fast turn. call Jeff Aust for instructions.

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14120 Shamrock Plaza Suite 3[illegible] Omaha, NE 68154 (402) 334-8181 Fax (402) 334-1984

Project Name: Cannon AFB SD-11-CMI

Project No.: 16169783

Project Location: Cannon AFB, NM

Project Manager: Jeff Voelker

Sampler(s): Mike Sandeman, Skip Wightman

Analytical Parameters

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	8260B VOCs	TRH GRO	TRH DRO	8270C SVOCs	TAL Metals	Remarks
5-15-07	1405	X		CH-SB05-009	Soil	1	8 oz jar			X	X	X	4°C
	1441		X	CH-SB05-018		3	40 ml VOA	X					4°C 2 water 1 methanol
	1441		X	" " "		3	" "		X				4°C 2 water 1 methanol
	1441	X		" " "		1	8 oz jar			X	X	X	4°C
	1501		X	CH-SB05-024		3	40 ml VOA	X					4°C 2 water 1 methanol
	1501		X	" " "		3	" "		X				4°C 2 water 1 methanol
	1501	X				1	8 oz jar			X	X	X	4°C
	1600		X	CH-SB05-209		3	40 ml VOA	X					4°C 2 water 1 methanol
	1600		X	" " "		3	" "		X				4°C 2 water 1 methanol
	1600	X		" " "		1	8 oz jar			X	X	X	4°C

Signatures	Date	Time
Relinquished by: [signature]	5-15-07	1720
Received by:		
Relinquished by:		
Received for Laboratory by: [signature]	5/16/07	1000

Shipping Details

Method of Shipment: Fed Ex

Airbill No.: 8820 8180 7526

Lab Address: APPL 4203 W. Swift Ave Fresno, CA

Special Instructions: CH-SB05-024 only 3 VOAs 2 water 1 methanol. Call Jeff Aust for required analyses

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CHAIN OF CUSTODY RECORD

Page 1 2

Project Name: Cannon AFB SD-11 CMI

Project No.: 76169983

Project Location: Cannon AFB, NM

Project Manager: Jeff Voelker

Sampler(s): Mike Sonderman, Skip Wightson

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	8260B VOCs	TPH GRO	TPH DRO	8270C SVOCs	TAL metals	Remarks
5-16-07	0759		X	C11-SB06-008	Soil	3	40ml VOA	X					4°C 2 water 1 methanol
	0759		X	" "		3	40ml VOA		X				4°C 2 water 1 methanol
	0759	X		" "		1	8 oz jar			X	X	X	4°C
	0807		X	C11-SB06-015		3	40ml VOA	X					4°C 2 water 1 methanol
	0807		X	" "		3	40ml VOA		X				4°C 2 water 1 methanol
	0807	X		" "		1	8 oz jar			X	X	X	4°C
	0835		X	C11-SB06-024		3	40ml VOA	X					4°C 2 water 1 methanol
	0835		X	" "		3	40ml VOA		X				4°C 2 water 1 methanol
	0835	X		" "		1	8 oz jar			X	X	X	4°C
	1004		X	C11-SB07-018		3	40ml VOA	X					4°C 2 water 1 methanol
	1004		X	C11-SB07-018		3	40ml VOA		X				4°C 2 water 1 methanol
	1004	X		" "		1	8 oz jar			X	X	X	4°C
	0900		X	C11-SB07-218		3	40ml VOA	X					4°C 2 water 1 methanol
	0900		X	" " "		3	40ml VOA		X				4°C 2 water 1 methanol

Signatures	Date	Time
Relinquished by: Mike Sonderman	5-16-07	1730
Received by:		
Relinquished by:		
Received for Laboratory by:	5/17/07	1000

Shipping Details

Method of Shipment: Fed Ex

Airbill No.: 8626 8180 7537

Lab Address: APPL, 4203 N. Swift Ave, Fresno, CA 93722

Special Instructions

Fast turn on TPH GRO + DRO

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CHAIN OF CUSTODY RECORD

Project Name: Cannon AFB SD-11 CMI

Project No.: 16169983

Project Location: Cannon AFB, NM

Project Manager: Jeff Voelker

Sampler(s): Mike Sonderman, Skip Wrightson

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	8260B VOCs		TPH GRO	TPH DRO	8270C SVOCs	TAL metals					Remarks
5-16-07	0900	X		C11-SB07-218	Soil	1	8 oz jar			X	X	X						4°C
	1015		X	C11-SB07-024		3	40ml VOA	X										4°C 2 water 1 methanol
	1015		X	" " "		3	40ml VOA		X									4°C 2 water 1 methanol
	1015	X		" "		1	8 oz jar			X	X	X						4°C
	1145		X	C11-SB07-034		3	40ml VOA	X										4°C 2 water 1 methanol
	1145		X	" " "		3	40ml VOA		X									4°C 2 water 1 methanol
	1145	X		" " "		1	8 oz jar			X	X	X						4°C
				~~C11-SB07-034~~		3	~~40ml VOA~~											
				" " "		3	~~40ml VOA~~											
				" " "		1	~~8 oz jar~~											

Signatures	Date	Time	Shipping Details	Special Instructions
Relinquished by: [signature]	5-15-07	1730	Method of Shipment: FedEx	See page 1
Received by:			Airbill No.: 8626 8180 7537	
Relinquished by:			Lab Address: APPL 4203 W. Swift Ave Fresno, CA 93722	
Received for Laboratory by: [signature]	5/17/07	1000		

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121319

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CHAIN OF CUSTODY RECORD

Project Name: Cannon AFB SD-11 CMT

Project No.: 16169983

Project Location: Cannon AFB, NM

Project Manager: Jeff Volker

Sampler(s): Mike Sonderman, Skip Wrightson

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	8260B VOCs	TPH GRO	TPH DRO	8270C SVOCs	TAL metals	Remarks
5-16-07	1220		X	C11-SB08-017	Soil	3	40ml VOA	X					4°C 2 water 1 methanol
	1220		X	" " "		3	40ml VOA		X				4°C 2 water 1 methanol
	1220		X	" " "		1	8oz jar			X	X	X	4°C
	1220	X		" " "		3	40ml VOA	X					4°C 2 water 1 methanol
	1303		X	C11-SB08-017		3	40ml VOA		X				4°C 2 water 1 methanol
	1303		X	" "		1	8oz jar			X	X	X	4°C
	1303	X		" "		3	40ml VOA	X					4°C 2 water 1 methanol
	1333		X	C11-SB08-024		3	40ml VOA		X				4°C 2 water 1 methanol
	1333		X	" "		1	8oz jar			X	X	X	4°C
	1333	X		" "		3	40ml VOA	X					4°C 2 water 1 methanol
	1358		X	C11-SB08-030		3	40ml VOA		X				4°C 2 water 1 methanol
	1358		X	C11-SB08-030		1	8oz jar			X	X	X	4°C
	1358	X		" " "		3	40ml VOA	X					4°C 2 water 1 methanol + MS/MSD
	1430		X	C11-SB08-036		3	40ml VOA		X				4°C 2 water 1 methanol MS/MSD
	1430		X	C11-SB08-036									

Signatures	Date	Time
Relinquished by: [signature]	5-15-07	1730
Received by:		
Relinquished by:		
Received for Laboratory by: [signature]	5/17/07	1000

Shipping Details

Method of Shipment: Fed Ex

Airbill No.: 8620 8180 7537

Lab Address: APPL 4203 W. Swift Ave Fresno, CA 93722

Special Instructions

Fast turn on TPH GRO + DRO

C11-SB08-036 is MS/MSD for C11-SB08-036

Only 1 8oz jar for sample + MS/MSD

Custody.frm/jdg 3-09-92

White copy - Laboratory Yellow copy - Laboratory Pink copy - WCC

121314

URS Corporation

12120 Shamrock Plaza Suite 300, Omaha, NE 68154 (402) 334-8181 Fax (402) 334-1984

CHAIN OF CUSTODY RECORD

Project Name: Cannon AFB SD-11 GMI

Project No.: 16169883

Project Location: Cannon AFB, NM

Project Manager: Jeff Voelker

Sampler(s): Mike Sonderman, Skip Wightson

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	8260 BVOCs	TPH GRO	TPH DRO	8270C SVOCs	TAL metals	Remarks
5-16-07	1430	X		C11-SB08-036	SL	1	8 oz jar			X	X	X	4°C 4 MS/MSD
	1500		X	C11-SB08-042		3	40 ml VOA	X					4°C 2 water 1 methanol
	1500		X	" " "		3	40 ml VOA		X				4°C 2 water 1 methanol
	1500	X		" " "		1	8 oz jar			X	X	X	4°C ~~2 water 1 methanol~~
	1534		X	C11-SB08-050		3	40 ml VOA	X					4°C 2 water 1 methanol
	1534		X	" " "		3	40 ml VOA		X				4°C 2 water 1 methanol
	1534	X		" " "		1	8 oz jar			X	X	X	4°C

Signatures	Date	Time
Relinquished by:	5-15-07	730
Received by:		
Relinquished by:		
Received for Laboratory by:	5/16/07	1000

Shipping Details

Method of Shipment: Fed EX

Airbill No.: 8620 8180 7537

Lab Address: APPL, 4203 W. Swift Ave, Fresno, CA 93722

Special Instructions

see page 1

URS Corporation

12120 Shamrock Plaza Suite 300, Omaha, NE 68154 (402) 334-8181 Fax (402) 334-1984

CHAIN OF CUSTODY RECORD

Project Name: Cannon AFB SD-11 CMI

Project No.: 16169983

Project Location: Cannon AFB, NM

Project Manager: Jeff Voelker

Sampler(s): Mike Sonderman, Skip Wightson

Analytical Parameters

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	8260B	TPH GRO	TPH DRO	8270C SVOCs	TAL metals						Remarks
5-7-06	0857		X	C11-SB09-012	soil	3	40ml VOA	X										4°C 2 water 1 methanol
	0857		X	" " "		3	40ml VOA		X									4°C 2 water 1 methanol
	0857	X		" " "		1	8 oz jar			X	X	X						4°C
	0909		X	C11-SB09-017		3	40ml VOA	X										4°C 2 water 1 methanol
	0909		X	" " "		3	40ml VOA		X									4°C 2 water 1 methanol
	0909	X		" " "		1	8 oz jar			X	X	X						4°C
	0922		X	C11-SB09-022		3	40ml VOA	X										4°C 2 water 1 methanol
	0922		X	" " "		3	40ml VOA		X									4°C 2 water 1 methanol
	0922	X		" " "		1	8 oz jar			X	X	X						4°C

Signatures	Date	Time	Shipping Details	Special Instructions
Relinquished by: Michael W. Sonderman	5-17-07	1145	Method of Shipment: Fed Ex	Fast turn on TPH GRO + DRO.
Received by:			Airbill No.: 8597 0533 4376	
Relinquished by:			Lab Address: APPL 4203 W. Swift Ave, Fresno, CA 93722	
Received for Laboratory by:	5/18/07	1000		

Custody.frm/jdg 3-09-92

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APPENDIX C

Daily Quality Control Reports (DQCR)

DAILY QUALITY CONTROL REPORT

Date	13-May-07

Day	S	M	T	W	TH	F	S
	X						

On Site Hours	0
Travel Time	7.5
Office Time	

Site Name and Location	Site SD-11, Cannon AFB, New Mexico
AFCEE Project Manager	Julio Roldan
Project	CMI Implementation
Project No.	16169983
Contract No.	FA8903-04-D-8679 DO 0049

Weather	Bright Sun	Clear	Overcast X	Rain	Snow
Temp	To 32	32-50	50-70	70-85	85 up
Wind	Still	Moderate	High X	**Report No.**	
Humidity	Dry X	Moderate	Humid	**1**	

Subcontractors on Site:

None.

Equipment on Site:

None

Visitors on Site:

None.

URS Personnel on Site:

None.

Field Work Performed (including sampling):

URS personnel mobilized to Clovis.

Quality Control Activities (including field calibration):

None.

Health and Safety and Activities:

None.

Observations/Problems Encountered/Corrective Action Taken:

By *Michael M. Sonderman* **Title** Geologist

DAILY QUALITY CONTROL REPORT

Date	14-May-07

Day	S	M	T	W	TH	F	S
		X					

On Site Hours	0.45
Travel Time	8.5
Office Time	

Site Name and Location	Site SD-11, Cannon AFB, New Mexico
AFCEE Project Manager	Julio Roldan
Project	CMI Implementation
Project No.	16169983
Contract No.	FA8903-04-D-8679 DO 0049

Weather	Bright Sun	Clear	Overcast	Rain	Snow
		X			
Temp	To 32	32-50	50-70	70-85	85 up
				X	

Wind	Still	Moderate	High
		X	X
Humidity	Dry	Moderate	Humid
	X		

Report No. 2

Subcontractors on Site:
Atkins Engineering (drilling sub): Mort Bates, Chris Phillips, James Lester

Equipment on Site:
Mobile 58 drill rig, support truck with trailer, support truck with drums, steam cleaner, 55-gallon drums, Mini-Rae 10.2 eV PID,

Visitors on Site:
Kristi Doll (Cannon AFB ERP Manager); Cannon AFB utility locate staff.

URS Personnel on Site:
Mike Sonderman, Skip Wrightson

Field Work Performed (including sampling):
Purchased sampling supplies; obtained 2-day passes; obtained social security number verification letters from the Social Security Administration office in Clovis to obtain 1-month Base passes; marked boring locations and verified utility clearances with Base trades personnel; met with Cannon AFB ERP Manager Kristi Doll; completed sampling at boring SB01 (3 samples), including completion of boring log and sample collection field sheets; shipped samples via Fed Ex for fast turn on TPH GRO and DRO. Labeled IDW drum, which was staged on site on top of a pallet.

Quality Control Activities (including field calibration):
Calibrated PID using 100 ppm Isobutylene.

Health and Safety and Activities:
Completed Health and Safety briefing with URS and Atkins personnel; signed safety compliance agreement form. Verified presence of fire extinguishers on rig and support vehicles, verified presence and proper function of safety kill switches on drill rig, verified presence of first aid kit, and drove route to Base medical facility. Monitored air quality with PID.

Observations/Problems Encountered/Corrective Action Taken:
Electrical and water utilities were marked as "call" on drilling permit provided by Kristi Doll. Called contacts listed on permit. Had to relocate boring SB06 by feet to west due to electrical line, and borings SB01 and SB02 about 3 feet north to avoid water lines.

By *Michael M. Sonderman* **Title** Geologist

DAILY QUALITY CONTROL REPORT

Date	15-May-07

Day	S	M	T	W	TH	F	S
			X				

On Site Hours	0.45
Travel Time	9.5
Office Time	

Site Name and Location	Site SD-11, Cannon AFB, New Mexico
AFCEE Project Manager	Julio Roldan
Project	CMI Implementation
Project No.	16169983
Contract No.	FA8903-04-D-8679 DO 0049

Weather	Bright Sun	Clear	Overcast X	Rain	Snow
Temp	To 32	32-50	50-70	70-85 X	85 up
Wind	Still	Moderate	High X	**Report No.**	
Humidity	Dry X	Moderate	Humid	**3**	

Subcontractors on Site:

Atkins Engineering (drilling sub): Mort Bates, Chris Phillips, James Lester

Equipment on Site:

Mobile 58 drill rig, support truck with trailer, support truck with drums, steam cleaner, 55-gallon drums, Mini-Rae 10.2 eV PID,

Visitors on Site:

Jerry Pelfrey (Cannon AFB).

URS Personnel on Site:

Mike Sonderman, Skip Wrightson

Field Work Performed (including sampling):

Obtained 1-month Base passes; completed sampling at borings SB02 though SB05; shipped samples via Fed Ex. Collected three samples from each boring; completed boring log and sample collection field sheets. Called in headspace analytical results to Jeff Voelker. Labeled IDW drums, which were staged on site on top of pallets. Collected two duplicate samples, one from SB04 and one from SB05, and one MS/MSD sample from Boring SB02.

Quality Control Activities (including field calibration):

Calibrated PID using 100 ppm Isobutylene.

Health and Safety and Activities:

Completed tailgate Health and Safety briefing with URS and Atkins personnel; monitored air quality with PID.

Observations/Problems Encountered/Corrective Action Taken:

Skip Wrightson did not turn in vehicle-specific information since he did not know which company vehicle he would be driving. Had to provide said information to Jerry Pelfrey and he will submit it to the Visitor pass and ID center at main gate.

By *Michael M. Sonderman* **Title** Geologist

DAILY QUALITY CONTROL REPORT

Date	16-May-07

Day	S	M	T	W	TH	F	S
				X			

On Site Hours	0.45
Travel Time	9
Office Time	

Site Name and Location	Site SD-11, Cannon AFB, New Mexico
AFCEE Project Manager	Julio Roldan
Project	CMI Implementation
Project No.	16169983
Contract No.	FA8903-04-D-8679 DO 0049

Weather	Bright Sun	Clear	Overcast	Rain	Snow
			X		
Temp	To 32	32-50	50-70	70-85	85 up
			X	X	
Wind	Still	Moderate	High	**Report No.**	
		X			
Humidity	Dry	Moderate	Humid	**4**	
	X				

Subcontractors on Site:

Atkins Engineering (drilling sub): Mort Bates, Chris Phillips, James Lester

Equipment on Site:

Mobile 58 drill rig, support truck with trailer, support truck with drums, steam cleaner, 55-gallon drums, Mini-Rae 10.2 eV PID,

Visitors on Site:

Jerry Pelfry (Cannon AFB).

URS Personnel on Site:

Mike Sonderman, Skip Wrightson

Field Work Performed (including sampling):

Completed sampling at borings SB06, SB07 and SB08; shipped samples via Fed Ex. Collected three samples from borings Sb06 and SB07, and 6 samples from Boring SB08. Completed boring SB08 to 50 feet bgs due to high headspace detections; headspace reading at 50' was nondetect. Completed boring logs and sample collection field sheets. Emailed headspace analytical results to Jeff Voelker and to APPL (contract lab). COCs marked for quick turn on TPH GRO and DRO. Labeled IDW drums, which were staged on site on top of pallets.

Quality Control Activities (including field calibration):

Calibrated PID using 100 ppm Isobutylene. Collected one duplicate sample from SB07 and one duplicate sample and one MS/MSD sample from Boring SB08.

Health and Safety and Activities:

Completed tailgate Health and Safety briefing with URS and Atkins personnel; monitored air quality with PID.

Observations/Problems Encountered/Corrective Action Taken:

Verified Skip Wrightson's vehicle is all clear for access to Base with main gate personnel. Asked drillers to return to site in morning to complete additional borings. They will have to pick up more drums this evening.

By *Michael M. Sonderman* **Title** Geologist

DAILY QUALITY CONTROL REPORT

Date	17-May-07

Day	S	M	T	W	TH	F	S
					X		

On Site Hours	0.45
Travel Time	9
Office Time	

Site Name and Location	Site SD-11, Cannon AFB, New Mexico
AFCEE Project Manager	Julio Roldan
Project	CMI Implementation
Project No.	16169983
Contract No.	FA8903-04-D-8679 DO 0049

Weather	Bright Sun	Clear	Overcast X	Rain X	Snow
Temp	To 32	32-50	50-70 X	70-85	85 up
Wind	Still	Moderate X	High	**Report No.**	
Humidity	Dry	Moderate	Humid X	**5**	

Subcontractors on Site:

Atkins Engineering (drilling sub): Mort Bates, Chris Phillips, James Lester

Equipment on Site:

Mobile 58 drill rig, support truck with trailer, support truck with drums, steam cleaner, 55-gallon drums, Mini-Rae 10.2 eV PID,

Visitors on Site:

None.

URS Personnel on Site:

Mike Sonderman, Skip Wrightson

Field Work Performed (including sampling):

Completed sampling at Boring SB09; shipped samples via Fed Ex. Collected three samples from the boring. Called in headspace results to Jeff Voelker. Completed boring logs and sample collection field sheets. COC marked for quick turn on TPH GRO and DRO. Labeled IDW drum, which was staged on site on top of a pallet. Driller demobilized from site. Updated Jerry Pelfrey on progress. Spoke with Jeff Voelker; Sonderman will demobilize in morning and Skip Wrightson will meet excavating subcontractor at gate to deliver the track hoe tomorrow. Staked boring locations with wood stakes. Photographed IDW drums.

Quality Control Activities (including field calibration):

Calibrated PID using 100 ppm Isobutylene.

Health and Safety and Activities:

Completed tailgate Health and Safety briefing with URS and Atkins personnel; monitored air quality with PID.

Observations/Problems Encountered/Corrective Action Taken:

None.

By *Michael M. Sonderman* **Title** Geologist

DAILY QUALITY CONTROL REPORT

Date	20-May-07

Day	S	M	T	W	TH	F	S
	X						

On Site Hours	0
Travel Time	7.5
Office Time	

Site Name and Location	Site SD-11, Cannon AFB, New Mexico
AFCEE Project Manager	Julio Roldan
Project	CMI Implementation
Project No.	16169983
Contract No.	FA8903-04-D-8679 DO 0049

Weather	Bright Sun X	Clear	Overcast	Rain	Snow
Temp	To 32	32-50	50-70	70-85	85 up
Wind	Still X	Moderate	High	**Report No.**	
Humidity	Dry X	Moderate	Humid	**6**	

Subcontractors on Site:

None.

Equipment on Site:

None

Visitors on Site:

None.

URS Personnel on Site:

None.

Field Work Performed (including sampling):

URS personnel mobilized to Clovis.

Quality Control Activities (including field calibration):

None.

Health and Safety and Activities:

None.

Observations/Problems Encountered/Corrective Action Taken:

By *Anthony J. Sedlacek* **Title** Chemist

DAILY QUALITY CONTROL REPORT

Date	21-May-07

Day	S	M	T	W	TH	F	S
		X					

On Site Hours	10.5
Travel Time	0.5
Office Time	

Site Name and Location	Site SD-11, Cannon AFB, New Mexico
AFCEE Project Manager	Julio Roldan
Project	CMI Implementation
Project No.	16169983
Contract No.	FA8903-04-D-8679 DO 0049

Weather	Bright Sun X	Clear	Overcast	Rain	Snow
Temp	To 32	32-50	50-70	70-85 X	85 up
Wind	Still	Moderate	High X	**Report No.**	
Humidity	Dry X	Moderate	Humid	7	

Subcontractors on Site:

Diamondback Disposal Services (excavation sub): Justin Roberts, James Herrington, Michael Bigbee

Equipment on Site:

John Deere Front End Loader, Caterpillar Track Hoe, Mini-Rae 10.2 eV PID

Visitors on Site:

Kristi Doll (Cannon AFB ERP Manager), Phil Carr and Bill Richter (Base Utilities)

URS Personnel on Site:

Tony Sedlacek, Skip Wrightson

Field Work Performed (including sampling):

Obtained 1-month base escort security passes. Met with Canon AFB ERP Manager Kristi Doll, left ERP building to met Diamondback employees at Portales Gate and took them to base security for security passes. Unloaded heavy equipment from trailer and started excavation of approximately 10 feet soil overburden between SB04 and SB05. Soil excavated between SB07 and SB08 at approximately 15 feet bgs had a TPH odor and black staining, pieces of asphalt and black plastic were visible at approximately 15-18 feet bgs. Soil with odor had PID reading 68 ppm. Continued to remove and segregate overburden from the entire excavation area. Asphalt and black (TPH) stained soil was seen and excavated at approximately 12-15 feet bgs near SB08. Stopped excavating and installed orange safety fence around excavation and covered piles of soil.

Quality Control Activities (including field calibration):

Calibrated PID using 100 ppm Isobutylene.

Health and Safety and Activities:

Completed Health and Safety briefing with URS and Diamondback personnel. Signed safety compliance agreement form on 5-22-07 due to missing 40-hour training certificates (see comment in section below). Performed daily heavy equipment safety inspection checklist. Verified presence of fire extinguisher in excavation equipment. Completed daily excavation inspection report and daily safety task analysis. PPE: Level D, monitored air quality with PID.

Observations/Problems Encountered/Corrective Action Taken:

Diamondback employees did not have 40-hour training cards. Called Scott Magness with Southwest Safety Specialist and he verified that training was completed. Diamondback employees did not have medical clearance, called URS Health and Safety Jeff Hopkins and he indicated that they did not need it unless they would be exposed to chemicals of concern above the PEL for more than 30 days a year. Back up alarm did not work on track hoe, diamondback fixed before allowed to work. An unmarked waterline was hit while excavating west of SB03. Phil Carr and Bill Richter were called and they showed up and shut water off and capped line. Justin Roberts indicated that a few of the truck drivers who's name and information was submitted to base security were not going to be used on the job due to scheduling and that replacement drivers not submitted to base security would be used. Skip and Justin went to base security and Kristi Doll was able to sponsor the drivers onto the base and they were able to get 2-day base passes.

By *Anthony J. Sedlacek* **Title** Chemist

DAILY QUALITY CONTROL REPORT

Date	22-May-07

Day	S	M	T	W	TH	F	S
			X				

On Site Hours	
Travel Time	
Office Time	

Site Name and Location	Site SD-11, Cannon AFB, New Mexico
AFCEE Project Manager	Julio Roldan
Project	CMI Implementation
Project No.	16169983
Contract No.	FA8903-04-D-8679 DO 0049

Weather	Bright Sun X	Clear	Overcast	Rain	Snow
Temp	To 32	32-50	50-70	70-85	85 up X
Wind	Still	Moderate X	High	**Report No.**	
Humidity	Dry X	Moderate	Humid	**8**	

Subcontractors on Site:

Diamondback Disposal Services (excavation sub): Justin Roberts, James Herrington, Michael Bigbee

Equipment on Site:

John Deere Front End Loader, Caterpillar Track Hoe, Mini-Rae 10.2 eV PID

Visitors on Site:

Kristi Doll (Cannon AFB ERP Manager), Phil Carr and Bill Richter (Base Utilities)

URS Personnel on Site:

Tony Sedlacek, Skip Wrightson

Field Work Performed (including sampling):

Stopped by the talk to Kristi Doll about the planned days activities. Arrived at site and diamondback started benched sides of excavation. Kristi met the dump trucks at the Portales gate to sponsor them onto the base. Kristi followed trucks to site and signed manifests. Phil Carr arrived to put sleeve on 10" water line and turned water back on that supplied operating jet engine test cell west of excavation. Excavation at west end of site complete to a depth of 17 feet. Continued to excavated soil. Soil excavated in and around SB08 at depth of approximately 27 feet had a strong odor and PID reading of 3260 ppm. Soil had grey, green and yellow staining. Continued excavating to 29 feet. Dump trucks inspected to ensure wheels and undercarriage were free of any soil. A total of 11 dump trucks loaded with contaminated soil and 5 brought backfill material. Put safety fence up around excavation and covered remaining piles of soil

Quality Control Activities (including field calibration):

Calibrated PID using 100 ppm Isobutylene.

Health and Safety and Activities:

Completed Health and Safety briefing with URS and Diamondback personnel. Signed safety compliance agreement form due to missing 40-hour training certificates. Performed daily heavy equipment safety inspection checklist. Completed daily excavation inspection report and daily safety task analysis. PPE: Level D, monitored air quality with PID.

Observations/Problems Encountered/Corrective Action Taken:

Backfill material for top 4 feet of excavation was coming from a borrow site in Clovis. The backfill material did not have analytical results and or a soil proctor. Justin from Diamondback sent soil to get analytical results and proctor done. Backfill material was taken to Kristi for approval.

By *Anthony J. Sedlacek* **Title** Chemist

DAILY QUALITY CONTROL REPORT

Date	23-May-07

Day	S	M	T	W	TH	F	S
				X			

On Site Hours	
Travel Time	
Office Time	

Site Name and Location	Site SD-11, Cannon AFB, New Mexico
AFCEE Project Manager	Julio Roldan
Project	CMI Implementation
Project No.	16169983
Contract No.	FA8903-04-D-8679 DO 0049

Weather	Bright Sun	Clear	Overcast	Rain	Snow
			X		
Temp	To 32	32-50	50-70	70-85	85 up
				X	
Wind	Still	Moderate	High	**Report No.**	
			X		
Humidity	Dry	Moderate	Humid	**9**	
	X				

Subcontractors on Site:

Diamondback Disposal Services (excavation sub): Justin Roberts, James Herrington, Michael Bigbee

Equipment on Site:

John Deere Front End Loader, Caterpillar Track Hoe, Mini-Rae 10.2 eV PID

Visitors on Site:

Kristi Doll (Cannon AFB ERP Manager), Phil Carr (Base Utilities)

URS Personnel on Site:

Tony Sedlacek, Skip Wrightson

Field Work Performed (including sampling):

Seven dump trucks arrived in the morning with backfill material and loaded with contaminated soil. Continued to excavate contaminated soil. Soil excavated on east end of the site near SB03 and SB09 to a depth of 20feet. Completed excavation and started to backfill.

Quality Control Activities (including field calibration):

Calibrated PID using 100 ppm Isobutylene.

Health and Safety and Activities:

Completed Health and Safety briefing with URS and Diamondback personnel. Performed daily heavy equipment safety inspection checklist. Completed daily excavation inspection report and daily safety task analysis. PPE: Level D, monitored air quality with PID.

Observations/Problems Encountered/Corrective Action Taken:

By *Anthony J. Sedlacek* **Title** Chemist

DAILY QUALITY CONTROL REPORT

Date	24-May-07

Day	S	M	T	W	TH	F	S
					X		

On Site Hours	
Travel Time	
Office Time	

Site Name and Location	Site SD-11, Cannon AFB, New Mexico
AFCEE Project Manager	Julio Roldan
Project	CMI Implementation
Project No.	16169983
Contract No.	FA8903-04-D-8679 DO 0049

Weather	Bright Sun X	Clear	Overcast	Rain	Snow
Temp	To 32	32-50	50-70	70-85 X	85 up
Wind	Still	Moderate X	High	**Report No.**	
Humidity	Dry X	Moderate	Humid	**10**	

Subcontractors on Site:
Diamondback Disposal Services (excavation sub): Justin Roberts, James Herrington, Michael Bigbee

Equipment on Site:
John Deere Front End Loader, Caterpillar Track Hoe, Mini-Rae 10.2 eV PID

Visitors on Site:
Kristi Doll (Cannon AFB ERP Manager), Phil Carr (Base Utilities), Lydick Engineering

URS Personnel on Site:
Tony Sedlacek, Skip Wrightson

Field Work Performed (including sampling):
Started backfilling excavation with front end loader and back hoe, compacting in lifts with back hoe. Lydick engineering arrived to run compaction test on the bottom of the top 4 feet. Compaction test result was 100.4. Covered pile of contaminated soil still on site.

Quality Control Activities (including field calibration):
Calibrated PID using 100 ppm Isobutylene.

Health and Safety and Activities:
Completed Health and Safety briefing with URS and Diamondback personnel. Performed daily heavy equipment safety inspection checklist. Completed daily excavation inspection report and daily safety task analysis. PPE: Level D Monitored air quality with PID.

Observations/Problems Encountered/Corrective Action Taken:

By *Anthony J. Sedlacek* **Title** Chemist

DAILY QUALITY CONTROL REPORT

Date	25-May-07

Day	S	M	T	W	TH	F	S
						X	

On Site Hours	
Travel Time	
Office Time	

Site Name and Location	Site SD-11, Cannon AFB, New Mexico
AFCEE Project Manager	Julio Roldan
Project	CMI Implementation
Project No.	16169983
Contract No.	FA8903-04-D-8679 DO 0049

Weather	Bright Sun X	Clear	Overcast	Rain	Snow
Temp	To 32	32-50	50-70	70-85 X	85 up
Wind	Still	Moderate X	High	**Report No.**	
Humidity	Dry X	Moderate	Humid	**11**	

Subcontractors on Site:

Diamondback Disposal Services (excavation sub): Justin Roberts, James Herrington, Michael Bigbee

Equipment on Site:

John Deere Front End Loader, Caterpillar Track Hoe, Mini-Rae 10.2 eV PID

Visitors on Site:

Kristi Doll (Cannon AFB ERP Manager), Phil Carr (Base Utilities)

URS Personnel on Site:

Tony Sedlacek, Skip Wrightson

Field Work Performed (including sampling):

Stopped by Kristi Dolls office to give her paper work. Diamondback starting to grade top 3 feet of excavation. Unloading drums full of soil cuttings from borings into the contaminated soil pile. Sprayed black paint to cover contact information and loaded empty drums onto trailer to be disposed of by Diamondback. Cleaning up site, sweeping up parking area and regrading. Continuing to grade and load trucks (20 cys each) with contaminated soil. Finished grading and started marking excavation boundary with stakes. Called surveyor Total (final) tally for trucks: 56 loads of backfill material received and 41 loads of contaminated soil removed.

Quality Control Activities (including field calibration):

Calibrated PID using 100 ppm Isobutylene.

Health and Safety and Activities:

Completed Health and Safety briefing with URS and Diamondback personnel. Performed daily heavy equipment safety inspection checklist. Completed daily excavation inspection report and daily safety task analysis. PPE: Level D Monitored air quality with PID.

Observations/Problems Encountered/Corrective Action Taken:

By *Anthony J. Sedlacek* **Title** Chemist

DAILY QUALITY CONTROL REPORT

Date	26-May-07

Day	S	M	T	W	TH	F	S
							X

On Site Hours	0
Travel Time	7.5
Office Time	

Site Name and Location	Site SD-11, Cannon AFB, New Mexico
AFCEE Project Manager	Julio Roldan
Project	CMI Implementation
Project No.	16169983
Contract No.	FA8903-04-D-8679 DO 0049

Weather	Bright Sun	Clear	Overcast X	Rain	Snow
Temp	To 32	32-50	50-70 X	70-85	85 up
Wind	Still	Moderate X	High	**Report No.**	
Humidity	Dry X	Moderate	Humid	**12**	

Subcontractors on Site:

None.

Equipment on Site:

None

Visitors on Site:

None.

URS Personnel on Site:

None.

Field Work Performed (including sampling):

URS personnel mobilized from Clovis.

Quality Control Activities (including field calibration):

None.

Health and Safety and Activities:

None.

Observations/Problems Encountered/Corrective Action Taken:

By *Anthony J. Sedlacek* **Title** Chemist

APPENDIX D

Daily Instrument Calibration Check Sheets and Field Monitoring Activity Logs

DAILY INSTRUMENT CALIBRATION CHECK SHEET

DATE	INSTRUMENT	BATTERY CHECK OK?	ZERO ADJUST OK?	CALIBRATION GAS(PPM)	READING (PPM)	CALIBRATED BY
5-14-07	Mini-2000 PID 10.2eV	X	X	100	100	[illegible]
5-15-07	"	X	X	100	101	[illegible]
5-16-07	"	X	X	100	100	[illegible]
5-17-07	"	X	X	100	100	[illegible]
5-21-07	"	X	X	100	101	SW
5-22-07	"	X	X	100	101	SW
5-23-07	"	X	X	100	101	SW
5-24-07	"	X	X	100	100	SW

FIELD MONITORING ACTIVITY LOG

DATE	ACTIVITY MONITORED	TIME	LOCATION	READING (ppm)	ACTION	READING BY
5-14-07	HSA drilling and Sampling @SB01	1415	SB01	1.9	NONE	[illegible]
"	"	1423	SB01	1.0	"	[illegible]
"	"	1430	SB01	Ø	"	[illegible]
"	"	1440	SB01	Ø	"	
"	"	1448	SB01	Ø	"	
	"	1455	SB01	Ø	"	
	"	1508	SB01	Ø	"	
	"	1515	SB01	Ø	"	
5-15-07	HSA drilling and Sampling	0734	SB02	Ø	"	[illegible]
"	"	0745	SB02	Ø	"	
"	"	0754	SB02	Ø	"	
"	"	0809	SB02	Ø	"	
"	"	0820	SB02	Ø	"	
"	"	0950	SB03	3.1	"	
"	"	0958	SB03	275	"	

Note: All HSA drilling and Sampling readings are headspace.

DAILY INSTRUMENT CALIBRATION CHECK SHEET

DATE	INSTRUMENT	BATTERY CHECK OK?	ZERO ADJUST OK?	CALIBRATION GAS(PPM)	READING (PPM)	CALIBRATED BY

FIELD MONITORING ACTIVITY LOG

DATE	ACTIVITY MONITORED	TIME	LOCATION	READING (ppm)	ACTION	READING BY
5-15-07	HSA drilling and sampling	1005	SB03	2.3	NONE	[illegible]
"	"	1020	SB03	∅	"	
"	"	1028	SB03	∅	"	
"	"	1033	SB03	0.4	"	
"	"	1145	SB03	1.4	"	
"	"	1100	SB03	0.4	"	
"	"	1151	SB04	68.7	"	[illegible]
"	"	1157	SB04	89.7	"	
"	"	1208	SB04	692	"	
"	"	1218	SB04	1.4	"	
"	"	1232	SB04	34.5	"	
"	"	1240	SB04	35.5	"	
"	"	1300	SB04	7.5	"	
"	"	1311	SB04	47.1	"	
"	"	1355	SB05	∅	"	[illegible]

Note: All HSA drilling and sampling readings are headspace.

DAILY INSTRUMENT CALIBRATION CHECK SHEET

DATE	INSTRUMENT	BATTERY CHECK OK?	ZERO ADJUST OK?	CALIBRATION GAS(PPM)	READING (PPM)	CALIBRATED BY

FIELD MONITORING ACTIVITY LOG

DATE	ACTIVITY MONITORED	TIME	LOCATION	READING	ACTION	READING BY
5-15-07	HSA drilling and Sampling	1405	SB05	∅	NONE	[illegible]
"	"	1420	SB05	∅	"	
"	"	1441	SB05	∅	"	
"	"	1450	SB05	∅	"	
"	"	1501	SB05	∅	"	
"	"	1511	SB05	∅	"	
"	"	1523	SB05	∅	"	
5-16-07	"	0759	SB06	∅	"	[illegible]
"	"	0807	SB06	∅	"	
"	"	0820	SB06	∅	"	
"	"	0830	SB06	∅	"	
"	"	0835	SB06	∅	"	
"	"	0845	SB06	∅	"	
"	"	0940	SB07	88.6	"	[illegible]
"	"	0944	SB07	172	"	

Note: All HSA drilling and sampling readings are headspace.

DAILY INSTRUMENT CALIBRATION CHECK SHEET

DATE	INSTRUMENT	BATTERY CHECK OK?	ZERO ADJUST OK?	CALIBRATION GAS(PPM)	READING (PPM)	CALIBRATED BY

FIELD MONITORING ACTIVITY LOG

DATE	ACTIVITY MONITORED	TIME	LOCATION	READING	ACTION	READING BY
5-16-07	HSA drilling and sampling	0955	SB07	Ø	NONE	ml
"	"	1004	SB07	Ø	"	
"	"	1008	SB07	Ø	"	
"	"	1015	SB07	Ø	"	
"	"	1050	SB07	Ø	"	
"	"	1115	SB07	Ø	"	
"	"	1145	SB07	Ø	"	
"	"	1230	SB08	72	"	ml
"	"	1238	SB08	615	"	
"	"	1250	SB08	422	"	
"	"	1302	SB08	1895	"	
"	"	1306	SB08	2730	"	
"	"	1313	SB08	1749	"	
"	"	1324	SB08	2285	"	
"	"	1358	SB08	2852	"	

Note: All HSA drilling and sampling readings are headspace.

DAILY INSTRUMENT CALIBRATION CHECK SHEET

DATE	INSTRUMENT	BATTERY CHECK OK?	ZERO ADJUST OK?	CALIBRATION GAS(PPM)	READING (PPM)	CALIBRATED BY

FIELD MONITORING ACTIVITY LOG

DATE	ACTIVITY MONITORED	TIME	LOCATION	READING (PPM)	ACTION	READING BY
5-16-07	HSA drilling and Sampling	1410	SB08	2830	NONE	[illegible]
"	"	1424	SB08	2835	"	
"	"	1430	SB08	1759	"	
"	"	1500	SB08	772	"	
"	"	1534	SB08	Ø	"	
"	"	0836	SB09	Ø	"	[illegible]
"	"	0850	SB09	Ø	"	
"	"	0857	SB09	Ø	"	
"	"	0904	SB09	Ø	"	
"	"	0915	SB09	Ø	"	
"	"	0922	SB09	Ø	"	
"	"	0927	SB09	Ø	"	
5-21-07	Removal Action Air Monitoring	1250	SD-11	Ø	"	TS
"	"	1300	TPH-impacted soil	68	"	TS
"	"	1300	SD-11	Ø	"	TS

Note: All HSA drilling and Sampling readings are headspace.

DAILY INSTRUMENT CALIBRATION CHECK SHEET

DATE	INSTRUMENT	BATTERY CHECK OK?	ZERO ADJUST OK?	CALIBRATION GAS(PPM)	READING (PPM)	CALIBRATED BY

FIELD MONITORING ACTIVITY LOG

DATE	ACTIVITY MONITORED	TIME	LOCATION	READING (ppm)	ACTION	READING BY
5-21-07	Removal Action Air Monitoring	1440	SD-11	0.0	None	TS
"	"	1500	SD-11	0.3	"	TS
"	"	1600	SD-11	1.0	"	TS
5-22-07	"	0850	SD-11	0.6	"	TS
"	"	0945	SD-11	0.0	"	TS
"	"	1055	SD-11	0.0	"	TS
"	"	1200	SD-11	0.2	"	TS
"	"	1315	SD-11	0.1	"	TS
"	"	1430	SD-11	0.5	"	TS
"	Excavated soil	1530	SD-11	3260 *	"	TS
	Removal Action Air monitoring	1600	SD-11	0.1	"	TS
5-23-07	Removal Action Air monitoring	0830	SD-11	0.0	"	TS
"	Top of North side of TPH-impacted stockpile	0905	SD-11	Ø	"	TS
"	Top of west side of TPH-impacted stockpile	0905	SD-11	Ø	"	TS
"	Bottom of North side of TPH-impacted stockpile	0905	SD-11	Ø	"	TS

* Headspace at 27 feet bgs near SB08.

DAILY INSTRUMENT CALIBRATION CHECK SHEET

DATE	INSTRUMENT	BATTERY CHECK OK?	ZERO ADJUST OK?	CALIBRATION GAS(PPM)	READING (PPM)	CALIBRATED BY
~~5-23-07~~	~~Bottom of west side of TPH impacted~~ Soil					TS

FIELD MONITORING ACTIVITY LOG

DATE	ACTIVITY MONITORED	TIME	LOCATION	READING	ACTION	READING BY
5-23-07	Bottom of West side of TPH-impacted Stockpile	0905	SD-11	ϕ	None	TS
"	Excavated soil	0945	SD-11	ϕ	"	TS
"	North of TPH-impacted stockpile	0945	SD-11	ϕ	"	TS
"	East of TPH-impacted stockpile	0945	SD-11	ϕ	"	TS
"	West of TPH-impacted stockpile	0945	SD-11	ϕ	"	TS
"	Air monitoring	1020	SD-11	0.4	"	TS
"	"	1200	SD-11	0.1	"	TS
"	"	1400	SD-11	0.2	"	TS
Finished	Removal starting	1405				
to	Backfill					

APPENDIX E

Safety Compliance Agreements, Documentation of Site Safety Briefings

SAFETY COMPLIANCE AGREEMENT AND
DOCUMENTATION OF SITE SAFETY BRIEFING

DATE 5-14-07 TIME 1040

SITE LOCATION Cannon AFB PROJECT NUMBER 16169983.00401

SITE SAFETY OFFICER Michael McSorley PROJECT MANAGER Jeffrey Voelker

TOPICS COVERED DURING BRIEFING:
- X EXTENT AND CONCENTRATION OF CHEMICAL HAZARDS ON SITE
- X HEALTH EFFECTS OF CHEMICALS HAZARDS
- X PHYSICAL HAZARDS ON SITE
- X LEVELS OF PROTECTION REQUIRED
- X LOCATION OF EMERGENCY EQUIPMENT(FIRST AID, FIRE FIGHTING EQUIPMENT...)
- X VERICATION THAT HEALTH AND SAFETY PLAN HAS BEEN RECEIVED AND READ
- X MONITORING PROCEDURES
- X ACTION LEVELS
- X DECONTAMINATION PROCEDURES
- X LOCATION OF EMERGENCY NUMBERS
- X ROUTE TO THE HOSPITAL - Drove route

Discussed rattlesnakes, security rules, cell phone compliance, driving safety

I, the undersigned, have received a copy of the safety plan for the referenced project. I have read the plan, understand it, and agree to comply with all of the health and safety requirements. I understand that I may be prohibited from working on the project for violating any of the requirements. In addition I have been verbally briefed on the topics noted above.

DOCUMENTION (SSO MUST SEE VERIFICATION BEFORE INITIALLING COLUMN)

ATTENDEES:

NAME	COMPANY	40 HR	FIT	MEDICAL
1.(print) James Lester		✓		
(signature) James Lester				
2.(print) Chris Phillips		✓		
(signature) Chris Phillips				
3.(print) Skip Wrighton		✓		
(signature) [illegible]				

SAFETY COMPLIANCE AGREEMENT AND DOCUMENTION OF SITE SAFETY BRIEFING - Page 2

I, the undersigned, have received a copy of the safety plan for the referenced project. I have read the plan, understand it, and agree to comply with all of the health and safety requirements. I understand that I may be prohibited from working on the project for violating any of the requirements. In addition I have been verbally briefed on the topics noted above.

DOCUMENTION (SSO MUST SEE VERIFICATION BEFORE INITIALLING COLUMN)

ATTENDEES:

NAME	COMPANY	40 HR	FIT	MEDICAL
4.(print) MORT BATES (signature) Mort Bates		✓		
5.(print) (signature)				
6.(print) (signature)				
7.(print) (signature)				
8.(print) (signature)				
9.(print) (signature)				
10.(print) (signature)				
11.(print) (signature)				
12.(print) (signature)				

SAFETY COMPLIANCE AGREEMENT AND
DOCUMENTATION OF SITE SAFETY BRIEFING

DATE 5-22-07 TIME 0845

SITE LOCATION SD-11 Cannon AFB PROJECT NUMBER 1616 9983.00401

SITE SAFETY OFFICER Tony Sedlacek PROJECT MANAGER Jeff Voelker

TOPICS COVERED DURING BRIEFING:
X EXTENT AND CONCENTRATION OF CHEMICAL HAZARDS ON SITE
X HEALTH EFFECTS OF CHEMICALS HAZARDS
X PHYSICAL HAZARDS ON SITE
X LEVELS OF PROTECTION REQUIRED
X LOCATION OF EMERGENCY EQUIPMENT(FIRST AID, FIRE FIGHTING EQUIPMENT...)
X VERICATION THAT HEALTH AND SAFETY PLAN HAS BEEN RECEIVED AND READ
X MONITORING PROCEDURES
X ACTION LEVELS
X DECONTAMINATION PROCEDURES
X LOCATION OF EMERGENCY NUMBERS
X ROUTE TO THE HOSPITAL

I, the undersigned, have received a copy of the safety plan for the referenced project. I have read the plan, understand it, and agree to comply with all of the health and safety requirements. I understand that I may be prohibited from working on the project for violating any of the requirements. In addition I have been verbally briefed on the topics noted above.

ATTENDEES:

NAME	COMPANY	DOCUMENTION (SSO MUST SEE VERIFICATION BEFORE INITIALLING COLUMN) 40 HR	FIT	MEDICAL
1.(print) Justin Roberts (signature) Justin		X		
2.(print) James Herrington (signature) James R Herrington		X		
3.(print) Michael W. Bigbee (signature) Michael W. Bigbee		X		

SAFETY COMPLIANCE AGREEMENT AND DOCUMENTION OF SITE SAFETY BRIEFING - Page 2

I, the undersigned, have received a copy of the safety plan for the referenced project. I have read the plan, understand it, and agree to comply with all of the health and safety requirements. I understand that I may be prohibited from working on the project for violating any of the requirements. In addition I have been verbally briefed on the topics noted above.

DOCUMENTION (SSO MUST SEE VERIFICATION BEFORE INITIALLING COLUMN)

ATTENDEES:

NAME	COMPANY	40 HR	FIT	MEDICAL
4.(print) Skip Wrightson (signature)		X		X
5.(print) Tony Sedlacek (signature) Tony Sedlacek		X	~~X~~ TS	X
6.(print) (signature)				
7.(print) (signature)				
8.(print) (signature)				
9.(print) (signature)				
10.(print) (signature)				
11.(print) (signature)				
12.(print) (signature)				

APPENDIX F Daily Safety Task Analyses and Safe Plan of Action Checklists

Daily Sat. , Task Analysis

JOB/TASK Cannon AFB, NM SD-11 CMI

DATE 5-14-07

Work Area SD-11

Permits(s) Required and attached ☒ YES ☐ NO

Major Steps of Task:	Recognized/Unanticipated Hazards:	Safe Plan:	Tools Required to do the job safely:
utility Locates/permits	Buried utilities/electricity	obtain permits/request clearances	cell phone & phone numbers
HSA Drilling	Overhead (cont) Heavy equipment hearing protection	wear PPE (steel toe boots, hard hats, safety glasses, earplugs)	PPE
Soil Sampling	Petroleum contamination	Air monitoring PPE	PID, nitrile gloves

Other Items discussed during the Safety Briefing:
Heat stress, rattle snakes, unexpected visitors, route to hospital, sampling routine, emergency phone numbers:

Adjacent Work/Processes and/or co-occupancy ☒ Yes ☒ No ☐ Other workers adjacent, above, below
☒ Notified them of our presence ☒ Coordinated with adjacent work supervisor/customer operator ☒ Can work safely

TEAM MEMBERS SIGNATURES

See Safety compliance agreement form

The signature of the Supervisor certifies the completion of the Hazard Assessment and Safe Plan of Action by the crew.

Supervisor's Signature: [signature] Date 5-14-07

Instructions: 1. Write the name of the job or task in the space provided. 2. Conduct a walk-through survey of work area. 3. Write the steps of the task in a safe sequence. 4. List all possible hazards involved in each step as well as reaction to failure. 5. In the Safe Plan column, provide the corrective actions that will be taken to keep the hazard from becoming an accident or injury. 6. In Tools column list tools needed to do the job, additional safety equipment, etc. 7. Have each team member that helped develop and will use this STA sign in the spaces provided at the bottom. 8. Review the STA at the end of the task for improvements. (**NOTE:** THE WORK SHALL STOP IF CONDITIONS CHANGE, JOB CHANGES, OR DEFICIENCY IN PLAN IS NOTED.)

Daily Safe , Task Analysis

JOB/TASK Cannon AFB, NM SD-11 CMI

DATE 5-15-07 5-16-07 5-17-07

Work Area SD-11

Permits(s) Required and attached ☒ YES ☐ NO

Major Steps of Task:	Recognized/Unanticipated Hazards:	Safe Plan:	Tools Required to do the job safely:
HSA Drilling & sampling	underground utilities, heavy equipment	follow SSHP, SOPs	PPE - boots, hearing, gloves
Decontamination	steam cleaner, eye protection	follow SOPs	PPE - glasses, boots, gloves
Soil sampling	Petroleum contamination	follow SOPs	wear PPE

Other Items discussed during the Safety Briefing:

Adjacent Work/Processes and/or co-occupancy ☒ Yes ☐ No ☐ Other workers adjacent, above, below

☒ Notified them of our presence ☒ Coordinated with adjacent work supervisor/customer operator ☒ Can work safely

TEAM MEMBERS SIGNATURES

see Safety compliance Agreement Forms

The signature of the Supervisor certifies the completion of the Hazard Assessment and Safe Plan of Action by the crew.

Supervisor's Signature: [signature] Date 5-15-07, 5-16-07 [initials], 5-17-07 [initials]

Instructions: 1. Write the name of the job or task in the space provided. 2. Conduct a walk-through survey of work area. 3. Write the steps of the task in a safe sequence. 4. List all possible hazards involved in each step as well as reaction to failure. 5. In the Safe Plan column, provide the corrective actions that will be taken to keep the hazard from becoming an accident or injury. 6. In Tools column list tools needed to do the job, additional safety equipment, etc. 7. Have each team member that helped develop and will use this STA sign in the spaces provided at the bottom. 8. Review the STA at the end of the task for improvements. (NOTE: THE WORK SHALL STOP IF CONDITIONS CHANGE, JOB CHANGES, OR DEFICIENCY IN PLAN IS NOTED.)

Safe Plan of Action Checklist (Check the items that apply)

Permits/Clearances	Hazards	Safe Plan	
☒ Utility Clearance Obtained	☐ Overhead Utilities	☐ Power de-energization required ☐ Required clearance distance = ____ ft.	☐ Insulation blankets required ☐ Wire watcher required ☐ Safe work zone marked
☐ Confined Space	☐ Crane or other Lifting Equipment	☐ Signalman assigned ☐ Tag lines in use ☐ Lifting equipment inspected	☐ Area around crane barricaded ☐ Personnel protected from overhead load
☐ Critical Lift	☒ Underground Utilities	☐ Reviewed as-builts ☐ Required clearance distance = ____ ft.	☐ Subsurface surveys ☐ Received dig permit ☐ Safe work zone marked
☐ Hoisting & Rigging Safety Review	☐ Electrical	☐ Lock Out/Tag Out/Try Out? ☐ Reviewed electrical safety procedures	☐ Permit required ☐ Confirm that equipment is de-energized ☐ Additional info below
☐ Boom Assembly and Breakdown	☐ Excavations	☐ Permits ☐ Inspected prior to entering ☐ Barricades provided ☐ Access/egress provided	☐ Proper sloping/shoring ☐ Protection from accumulated water
☐ Boom Proximity	☐ Fire Hazard	☐ Permit ☒ Fire Extinguishers ☐ Unnecessary flammable material removed	☐ Fire watch ☐ Adjacent area protected ☐ Additional info below
☐ Concrete Structure Penetration	☐ Vehicular Traffic or Heavy Equipment	☐ Traffic Barricades ☐ Cones ☐ Signs ☐ Communication with equipment operator	☐ Flagmen ☐ Lane closure ☐ Additional information below
☐ Soil Excavation	☒ Noise > 85 dB	Hearing protection is required: ☒ Ear plugs ☐ Ear muffs	☐ Both ☐ Additional info below
☐ Pneumatic Test	☐ Hand & Power Tools:	☐ Inspect general condition ☐ GFCI in use ☐ Reviewed safety requirements in operators manual(s)	☐ Identified PEP required for each tool ☐ Guarding OK ☐ Additional info below
☒ Hot Work not needed	☒ Hand Hazards	☐ List sharp tools, material, equipment ☐ PPE gloves, etc. ☐ Protected sharp edges as necessary	☐ Additional info below
☐ Scaffolding Erection Plan	☒ Manual Lifting	☒ Reviewed proper lifting tech. ☐ Hand protection required ☐ Back support belts	☐ Identified material requiring lifting equipment ☐ Additional information below
☐ Steel Erection/Decking/Flooring/ Grating Checklist	☐ Ladders	☒ Inspect general condition before use ☐ Ladder tied off ☐ Proper angle and placement	☐ Ladder inspected within last quarter ☐ Reviewed ladder safety
☐ Request for Shutdown	☐ Scaffolds	☐ Inspect general condition before use ☐ Toe boards used ☐ Footings adequate	☐ Tags in place ☐ Properly secured ☐ Materials properly stored on scaffold
☐ Electrically Hazardous Work	☒ Slips, Trips, Falls	☐ Inspect for trip hazards ☐ Hazards marked ☐ Extension cords properly secured ☐ Work zone free of debris	☐ Tools & material properly stored ☐ Additional information below
☐ Radiation Work Permit for Visitors	☒ Pinch Points	List potential pinch points: augers/rig ☐ Working near operating equipment ☐ Hand/Body positioning	☐ Additional information below
Required PPE	☐ Working w/Chemicals	☐ The task creates potential for direct contact with hazardous chemicals. ☐ Reviewed MSDS hazards and precautions ☐ Have identified proper PPE (respirators, clothing, gloves, etc.	☒ Have proper containers and labels
☒ Hard Hat	☒ Heat Stress Potential	☐ Heat stress monitoring (>85° F; 29.4° C) ☐ Liquids available ☒ Sun Screen ☒ Reviewed Heat Stress symptoms	☐ Cool down periods ☐ Additional info below
☒ Ear Plugs/Ear Muffs	☐ Cold Stress Potential	☐ Proper clothing (i.e., gloves, coat, coveralls) ☐ Reviewed Cold Stress symptoms ☐ Warm up periods	☐ Wind chill (<32° F; 0° C) ☐ Additional information below
Eye Protection	☒ Environmental	☐ Air emissions ☐ Water discharge ☐ Pollution prevention	☐ Hazardous wastes ☐ Other wastes ☐ Waste minimization
☒ Safety Glasses	☒ Natural or Site Hazards	☒ Weather ☐ Terrain ☒ Animals/reptiles/insects hazards	☒ Adjacent operations or processes ☒ Biological hazards
☐ Face Shield	☒ Overhead Work	☐ Caution barricade tape required ☐ Rigid railing required ☐ Covers over opening	☐ Danger barricade tape required ☐ Warming signs required
☐ Chemical Goggles			
☐ Welding Hood			
Hand Protection			
☐ Cut Resistant Gloves			
☐ Welders Gloves			
☒ Nitrile Gloves			
☐ Surgical Gloves			
☐ Rubber Gloves			
☐ Electrical Insulated Gloves			
☐ Arm Sleeves			
Foot Protection			
☒ Safety Toe Boots			
☐ Rubber Boots			
☐ Rubber Boot Covers			
☐ Dielectric Footware			
Respiratory Protection			
☐ Dust Mask (NIOSH)			
☐ Air Purifying Respirator			
☐ Supplied Air Respirator			
☐ SCBA			
☐ Emergency Escape Respirator			
Special Clothing			
☐ Tyvek®			
☐ Poly Coated Tyvek®			
☐ NOMEX®			
☐ Rain Suit			
Fall Protection			
☐ Harness			
☐ Double Lanyard Required			
☐ Anchorage Point Available			

Additional Information

steam cleaning - proper PPE
IDW containment + storage

5-H-07 Thru 5-17-07

Same activities each day

Daily Safety Task Analysis

JOB/TASK Soil Excavation - TPH Contaminated **DATE** 5-21-07

Work Area SD-11 **Permits(s) Required and attached** ☐ YES ☐ NO

Major Steps of Task:	Recognized/Unanticipated Hazards:	Safe Plan:	Tools Required to do the job safely:
Unloading Excavator	People on ground, Heavy equipment Safety	Keep all those on ground clear	
Move excavator to Dig Site	Safety of person on ground.	Keep all those on ground clear	
Soil Excavation	Physical Hazard	Utilites clearance, make sure all aware of Hazard location	
Cover Stockpiled Soil	Slip, Trip, & Fall, Dust & Chemical.	Fence off excavation 1st, then recognize safety Hazards	
Fence off Excavation	Slip, Trip & Fall, Tool Safety. Hand	~~Fence off Excavation~~ Recognize	Slips, trips, falls, Look for underground utilities

Other Items discussed during the Safety Briefing:
Action level of TPH: Location of Hospital & Emergency numbers. No cell phones used on base by driver. Follow AFB traffic laws. PPE requirement, Airmonitoring, Chemical & physical Hazards.

Adjacent Work/Processes and/or co-occupancy ☐ Yes ☒ No ☐ Other workers adjacent, above, below
☐ Notified them of our presence ☐ Coordinated with adjacent work supervisor/customer operator ☐ Can work safely

TEAM MEMBERS SIGNATURES

Tony Sedlacek

The signature of the Supervisor certifies the completion of the Hazard Assessment and Safe Plan of Action by the crew.

Supervisor's Signature: Tony Sedlacek Date 5-21-07

Instructions: 1. Write the name of the job or task in the space provided. 2. Conduct a walk-through survey of work area. 3. Write the steps of the task in a safe sequence. 4. List all possible hazards involved in each step as well as reaction to failure. 5. In the Safe Plan column, provide the corrective actions that will be taken to keep the hazard from becoming an accident or injury. 6. In Tools column list tools needed to do the job, additional safety equipment, etc. 7. Have each team member that helped develop and will use this STA sign in the spaces provided at the bottom. 8. Review the STA at the end of the task for improvements. (NOTE: THE WORK SHALL STOP IF CONDITIONS CHANGE, JOB CHANGES, OR DEFICIENCY IN PLAN IS NOTED.)

Safe Plan of Action Checklist (Check the items that apply)

Permits/Clearances	Hazards	Safe Plan	
☒ Utility Clearance Obtained	☐ Overhead Utilities	☐ Power de-energization required ☐ Required clearance distance = _____ ft.	☐ Insulation blankets required ☐ Wire watcher required ☐ Safe work zone marked
☐ Confined Space ☐ Critical Lift	☐ Crane or other Lifting Equipment	☐ Signalman assigned ☐ Tag lines in use ☐ Lifting equipment inspected	☐ Area around crane barricaded ☐ Personnel protected from overhead load
☐ Hoisting & Rigging Safety Review ☐ Boom Assembly and Breakdown ☐ Boom Proximity ☐ Concrete Structure Penetration	☒ Underground Utilities	☐ Reviewed as-builts ☐ Required clearance distance = _____ ft.	☐ Subsurface surveys ☐ Received dig permit ☐ Safe work zone marked
☒ Soil Excavation ☐ Pneumatic Test	☐ Electrical	☐ Lock Out/Tag Out/Try Out? ☐ Reviewed electrical safety procedures	☐ Permit required ☐ Confirm that equipment is de-energized ☐ Additional info below
☐ Hot Work ☐ Scaffolding Erection Plan	☒ Excavations	☒ Permits ☐ Inspected prior to entering ☐ Barricades provided ☐ Access/egress provided	☒ Proper sloping/shoring ☐ Protection from accumulated water
☐ Steel Erection/Decking/Flooring/ Grating Checklist ☐ Request for Shutdown	☐ Fire Hazard	☐ Permit ☐ Fire Extinguishers ☐ Unnecessary flammable material removed	☐ Fire watch ☐ Adjacent area protected ☐ Additional info below
☐ Electrically Hazardous Work ☐ Radiation Work Permit for Visitors	☒ Vehicular Traffic or Heavy Equipment	☐ Traffic Barricades ☐ Cones ☐ Signs ☒ Communication with equipment operator	☐ Flagmen ☐ Lane closure ☒ Additional information below
Required PPE	☒ Noise > 85 dB	Hearing protection is required: ☐ Ear plugs ☐ Ear muffs	☐ Both ☐ Additional info below
☒ Hard Hat ☒ Ear Plugs/Ear Muffs	☐ Hand & Power Tools:	☐ Inspect general condition ☐ GFCI in use ☐ Reviewed safety requirements in operators manual(s)	☐ Identified PEP required for each tool ☐ Guarding OK ☐ Additional info below
Eye Protection	☐ Hand Hazards	☐ List sharp tools, material, equipment ☐ PPE gloves, etc. ☐ Protected sharp edges as necessary	☐ Additional info below
☒ Safety Glasses ☐ Face Shield ☐ Chemical Goggles ☐ Welding Hood	☐ Manual Lifting	☐ Reviewed proper lifting tech. ☐ Hand protection required ☐ Back support belts	☐ Identified material requiring lifting equipment ☐ Additional information below
Hand Protection	☐ Ladders	☐ Inspect general condition before use ☐ Ladder tied off ☐ Proper angle and placement	☐ Ladder inspected within last quarter ☐ Reviewed ladder safety
☐ Cut Resistant Gloves ☐ Welders Gloves ☐ Nitrile Gloves ☐ Surgical Gloves	☐ Scaffolds	☐ Inspect general condition before use ☐ Toe boards used ☐ Footings adequate	☐ Tags in place ☐ Properly secured ☐ Materials properly stored on scaffold
☐ Rubber Gloves ☐ Electrical Insulated Gloves ☐ Arm Sleeves	☒ Slips, Trips, Falls	☒ Inspect for trip hazards ☐ Hazards marked ☐ Extension cords properly secured ☐ Work zone free of debris	☐ Tools & material properly stored ☐ Additional information below
Foot Protection	☐ Pinch Points	List potential pinch points: ☐ Working near operating equipment ☐ Hand/Body positioning	☐ Additional information below
☒ Safety Toe Boots ☐ Rubber Boots ☐ Rubber Boot Covers ☐ Dielectric Footware	☐ Working w/Chemicals	☒ The task creates potential for direct contact with hazardous chemicals. ☐ Reviewed MSDS hazards and precautions ☒ Have identified proper PPE (respirators, clothing, gloves, etc.	☐ Have proper containers and labels
Respiratory Protection	☐ Heat Stress Potential	☐ Heat stress monitoring (>85° F; 29.4° C) ☐ Liquids available ☐ Sun Screen ☐ Reviewed Heat Stress symptoms	☐ Cool down periods ☐ Additional info below
☐ Dust Mask (NIOSH) ☐ Air Purifying Respirator ☐ Supplied Air Respirator ☐ SCBA	☐ Cold Stress Potential	☐ Proper clothing (i.e., gloves, coat, coveralls) ☐ Reviewed Cold Stress symptoms ☐ Warm up periods	☐ Wind chill (<32° F; 0° C) ☐ Additional information below
☐ Emergency Escape Respirator	☐ Environmental	☒ Air emissions ☐ Water discharge ☐ Pollution prevention	☐ Hazardous wastes ☐ Other wastes ☐ Waste minimization
Special Clothing	☐ Natural or Site Hazards	☐ Weather ☐ Terrain ☐ Animals/reptiles/insects hazards	☐ Adjacent operations or processes ☐ Biological hazards
☐ Tyvek® ☐ Poly Coated Tyvek® ☐ NOMEX® ☐ Rain Suit	☐ Overhead Work	☐ Caution barricade tape required ☐ Rigid railing required ☐ Covers over opening	☐ Danger barricade tape required ☐ Warning signs required
Fall Protection			
☐ Harness ☐ Double Lanyard Required ☐ Anchorage Point Available			

Additional Information

Hand signals used to communicate with operator of heavy equipment.
PID used to monitor air quality.

Daily Safety Task Analysis

JOB/TASK Excavation of TPH contaminated Soil

DATE 5-22-07

Work Area 50-11 Common AFB

Permits(s) Required and attached ☒ YES ☐ NO

Major Steps of Task:	Recognized/Unanticipated Hazards:	Safe Plan:	Tools Required to do the job safely:
~~Benching~~ Benching/Sloping Sides/End of Hole	Heavy equipment tipping	Slope gradually following SMS	Track Hoe
~~Excavate~~ Drive Track Hoe into Hole	Heavy equipment tipping	~~Stay~~ Bench end of excavation 2	Track Hoe
Excavating soil	Heavy equipment	Keep Heavy equipment out of excavation	Track side of excavation Track Hoe
Removal of Contaminated soil from Site	Additional vehicles on site, Dump Trucks	Keep trucks on specific route	Dump truck and Front end loader

Other Items discussed during the Safety Briefing:

Continue to use proper PPE: Hard Hats, safety glasses, hearing protection.
Make sure to stay out of swing arm of track Hoe.

Adjacent Work/Processes and/or co-occupancy ☐ Yes ☒ No ☐ Other workers adjacent, above, below
☐ Notified them of our presence ☐ Coordinated with adjacent work supervisor/customer operator ☐ Can work safely

TEAM MEMBERS SIGNATURES

Tony Sedlacek

The signature of the Supervisor certifies the completion of the Hazard Assessment and Safe Plan of Action by the crew.

Supervisor's Signature: Tony Sedlacek Date 5-22-07

Instructions: 1. Write the name of the job or task in the space provided. 2. Conduct a walk-through survey of work area. 3. Write the steps of the task in a safe sequence. 4. List all possible hazards involved in each step as well as reaction to failure. 5. In the Safe Plan column, provide the corrective actions that will be taken to keep the hazard from becoming an accident or injury. 6. In Tools column list tools needed to do the job, additional safety equipment, etc. 7. Have each team member that helped develop and will use this STA sign in the spaces provided at the bottom. 8. Review the STA at the end of the task for improvements. (**NOTE:** THE WORK SHALL STOP IF CONDITIONS CHANGE, JOB CHANGES, OR DEFICIENCY IN PLAN IS NOTED.)

Safe Plan of Action Checklist (Check the items that apply)

Permits/Clearances	Hazards	Safe Plan	
☒ Utility Clearance Obtained			
☐ Confined Space	☐ Overhead Utilities	☐ Power de-energization required ☐ Required clearance distance = _____ ft.	☐ Insulation blankets required ☐ Wire watcher required ☐ Safe work zone marked
☐ Critical Lift			
☐ Hoisting & Rigging Safety Review	☐ Crane or other Lifting Equipment	☐ Signalman assigned ☐ Tag lines in use ☐ Lifting equipment inspected	☐ Area around crane barricaded ☐ Personnel protected from overhead load
☐ Boom Assembly and Breakdown			
☐ Boom Proximity	☒ Underground Utilities	☐ Reviewed as-builts ☐ Required clearance distance = _____ ft.	☐ Subsurface surveys ☒ Received dig permit ☐ Safe work zone marked
☐ Concrete Structure Penetration			
☒ Soil Excavation	☒ Electrical	☐ Lock Out/Tag Out/Try Out? ☐ Reviewed electrical safety procedures	☐ Permit required ☐ Confirm that equipment is de-energized ☐ Additional info below
☐ Pneumatic Test			
☐ Hot Work	☐ Excavations	☒ Permits ☒ Inspected prior to entering ☐ Barricades provided ☐ Access/egress provided	☒ Proper sloping/shoring ☐ Protection from accumulated water
☐ Scaffolding Erection Plan			
☐ Steel Erection/Decking/Flooring/ Grating Checklist	☐ Fire Hazard	☐ Permit ☒ Fire Extinguishers ☐ Unnecessary flammable material removed	☐ Fire watch ☐ Adjacent area protected ☐ Additional info below
☐ Request for Shutdown			
☐ Electrically Hazardous Work	☒ Vehicular Traffic or Heavy Equipment	☐ Traffic Barricades ☐ Cones ☐ Signs ☒ Communication with equipment operator	☐ Flagmen ☐ Lane closure ☐ Additional information below
☐ Radiation Work Permit for Visitors			
Required PPE	☒ Noise > 85 dB	Hearing protection is required: ☒ Ear plugs ☐ Ear muffs	☐ Both ☐ Additional info below
☒ Hard Hat	☐ Hand & Power Tools:	☐ Inspect general condition ☐ GFCI in use ☐ Reviewed safety requirements in operators manual(s)	☐ Identified PEP required for each tool ☐ Guarding OK ☐ Additional info below
☒ Ear Plugs/Ear Muffs			
Eye Protection	☐ Hand Hazards	☐ List sharp tools, material, equipment ☐ PPE gloves, etc. ☐ Protected sharp edges as necessary	☐ Additional info below
☒ Safety Glasses			
☐ Face Shield			
☐ Chemical Goggles	☐ Manual Lifting	☐ Reviewed proper lifting tech. ☐ Hand protection required ☐ Back support belts	☐ Identified material requiring lifting equipment ☐ Additional information below
☐ Welding Hood			
Hand Protection	☐ Ladders	☐ Inspect general condition before use ☐ Ladder tied off ☐ Proper angle and placement	☐ Ladder inspected within last quarter ☐ Reviewed ladder safety
☐ Cut Resistant Gloves			
☐ Welders Gloves	☐ Scaffolds	☐ Inspect general condition before use ☐ Toe boards used ☐ Footings adequate	☐ Tags in place ☐ Properly secured ☐ Materials properly stored on scaffold
☐ Nitrile Gloves			
☐ Surgical Gloves	☒ Slips, Trips, Falls	☒ Inspect for trip hazards ☐ Hazards marked ☐ Extension cords properly secured ☐ Work zone free of debris	☐ Tools & material properly stored ☐ Additional information below
☐ Rubber Gloves			
☐ Electrical Insulated Gloves	☐ Pinch Points	List potential pinch points: ☐ Working near operating equipment ☐ Hand/Body positioning	☐ Additional information below
☐ Arm Sleeves			
Foot Protection			
☒ Safety Toe Boots	☐ Working w/Chemicals	☐ The task creates potential for direct contact with hazardous chemicals. ☐ Reviewed MSDS hazards and precautions ☐ Have identified proper PPE (respirators, clothing, gloves, etc.	☐ Have proper containers and labels
☐ Rubber Boots			
☐ Rubber Boot Covers			
☐ Dielectric Footware	☐ Heat Stress Potential	☐ Heat stress monitoring (>85° F; 29.4° C) ☐ Liquids available ☐ Sun Screen ☐ Reviewed Heat Stress symptoms	☐ Cool down periods ☐ Additional info below
Respiratory Protection			
☐ Dust Mask (NIOSH)	☐ Cold Stress Potential	☐ Proper clothing (i.e., gloves, coat, coveralls) ☐ Reviewed Cold Stress symptoms ☐ Warm up periods	☐ Wind chill (<32° F; 0° C) ☐ Additional information below
☐ Air Purifying Respirator			
☐ Supplied Air Respirator	☒ Environmental	☒ Air emissions ☐ Water discharge ☐ Pollution prevention	☐ Hazardous wastes ☐ Other wastes ☐ Waste minimization
☐ SCBA			
☐ Emergency Escape Respirator	☒ Natural or Site Hazards	☒ Weather ☒ Terrain Wind ☐ Animals/reptiles/insects hazards	☐ Adjacent operations or processes ☐ Biological hazards
Special Clothing			
☐ Tyvek®	☐ Overhead Work	☐ Caution barricade tape required ☐ Rigid railing required ☐ Covers over opening	☐ Danger barricade tape required ☐ Warning signs required
☐ Poly Coated Tyvek®			
☐ NOMEX®	**Additional Information**		
☐ Rain Suit			
Fall Protection			
☐ Harness			
☐ Double Lanyard Required			
☐ Anchorage Point Available			

Daily Safety Task Analysis

JOB/TASK Soil excavation of TPH contaminated soil & soil backfill. **DATE** 5-23-07

Work Area SD-11 Cannon AFB. **Permits(s) Required and attached** ☒ YES ☐ NO

Major Steps of Task:	Recognized/Unanticipated Hazards:	Safe Plan:	Tools *Required* to do the job safely:
Bench/slope End of Excavation	Heavy equipment tipping	Don't allow track Hoe to excavation until benched	Track Hoe
Drive Trackhoe into Excavation	Heavy Equipment tipping	Make sure sufficient bench/slope	Track Hoe
Excavate Soil	Heavy Equipment tipping	Don't let equipment close to edge of excavation	Track Hoe
Haul Soil from Site/Load Soil in Dump truck	Vehicle traffic	Make sure drivers stay on route	Front end Loader/Dump Truck
Backfill Soil	Heavy equipment tipping/	Don't allow heavy equipment into excavation until sufficient soil is added	Front end Loader/Dump Truck

Other Items discussed during the Safety Briefing:

Doing a good job continuing to use proper PPE. ~~Calm windows~~ Continue to air monitor.

Adjacent Work/Processes and/or co-occupancy ☐ Yes ☒ No ☐ Other workers adjacent, above, below

☐ Notified them of our presence ☐ Coordinated with adjacent work supervisor/customer operator ☐ Can work safely

TEAM MEMBERS SIGNATURES

Tony Sedlacek

The signature of the Supervisor certifies the completion of the Hazard Assessment and Safe Plan of Action by the crew.

Supervisor's Signature: Tony Sedlacek Date 5-23-07

Instructions: 1. Write the name of the job or task in the space provided. 2. Conduct a walk-through survey of work area. 3. Write the steps of the task in a safe sequence. 4. List all possible hazards involved in each step as well as reaction to failure. 5. In the Safe Plan column, provide the corrective actions that will be taken to keep the hazard from becoming an accident or injury. 6. In Tools column list tools needed to do the job, additional safety equipment, etc. 7. Have each team member that helped develop and will use this STA sign in the spaces provided at the bottom. 8. Review the STA at the end of the task for improvements. (NOTE: THE WORK SHALL STOP IF CONDITIONS CHANGE, JOB CHANGES, OR DEFICIENCY IN PLAN IS NOTED.)

Safe Plan of Action Checklist (Check the items that apply)

Permits/Clearances	Hazards	Safe Plan	
☒ Utility Clearance Obtained			
☐ Confined Space	☐ Overhead Utilities	☐ Power de-energization required ☐ Required clearance distance = _____ ft.	☐ Insulation blankets required ☐ Wire watcher required ☐ Safe work zone marked
☐ Critical Lift			
☐ Hoisting & Rigging Safety Review	☐ Crane or other Lifting Equipment	☐ Signalman assigned ☐ Tag lines in use ☐ Lifting equipment inspected	☐ Area around crane barricaded ☐ Personnel protected from overhead load
☐ Boom Assembly and Breakdown			
☐ Boom Proximity	☒ Underground Utilities TS	☐ Reviewed as-builts ☐ Required clearance distance = _____ ft.	☐ Subsurface surveys ☐ Received dig permit ☐ Safe work zone marked
☐ Concrete Structure Penetration			
☒ Soil Excavation	☐ Electrical	☐ Lock Out/Tag Out/Try Out? ☐ Reviewed electrical safety procedures	☐ Permit required ☐ Confirm that equipment is de-energized ☐ Additional info below
☐ Pneumatic Test			
☐ Hot Work	☐ Excavations	☒ Permits ☒ Inspected prior to entering ☒ Barricades provided ☐ Access/egress provided	☒ Proper sloping/shoring ☐ Protection from accumulated water
☐ Scaffolding Erection Plan			
☐ Steel Erection/Decking/Flooring/ Grating Checklist	☐ Fire Hazard	☐ Permit ☒ Fire Extinguishers ☐ Unnecessary flammable material removed	☐ Fire watch ☐ Adjacent area protected ☐ Additional info below
☐ Request for Shutdown			
☐ Electrically Hazardous Work	☐ Vehicular Traffic or Heavy Equipment	☐ Traffic Barricades ☐ Cones ☐ Signs ☐ Communication with equipment operator	☐ Flagmen ☐ Lane closure ☐ Additional information below
☐ Radiation Work Permit for Visitors			
Required PPE	☒ Noise > 85 dB	Hearing protection is required: ☒ Ear plugs ☐ Ear muffs	☐ Both ☐ Additional info below
☒ Hard Hat	☐ Hand & Power Tools:	☐ Inspect general condition ☐ GFCI in use ☐ Reviewed safety requirements in operators manual(s)	☐ Identified PEP required for each tool ☐ Guarding OK ☐ Additional info below
☒ Ear Plugs/Ear Muffs			
Eye Protection	☐ Hand Hazards	☐ List sharp tools, material, equipment ☒ PPE gloves, etc. ☐ Protected sharp edges as necessary	☐ Additional info below
☒ Safety Glasses			
☐ Face Shield			
☐ Chemical Goggles	☐ Manual Lifting	☐ Reviewed proper lifting tech. ☐ Hand protection required ☐ Back support belts	☐ Identified material requiring lifting equipment ☐ Additional information below
☐ Welding Hood			
Hand Protection	☐ Ladders	☐ Inspect general condition before use ☐ Ladder tied off ☐ Proper angle and placement	☐ Ladder inspected within last quarter ☐ Reviewed ladder safety
☐ Cut Resistant Gloves			
☐ Welders Gloves	☐ Scaffolds	☐ Inspect general condition before use ☐ Toe boards used ☐ Footings adequate	☐ Tags in place ☐ Properly secured ☐ Materials properly stored on scaffold
☒ Nitrile Gloves			
☐ Surgical Gloves	☒ Slips, Trips, Falls	☒ Inspect for trip hazards ☐ Hazards marked ☐ Extension cords properly secured ☐ Work zone free of debris	☐ Tools & material properly stored ☐ Additional information below
☐ Rubber Gloves			
☐ Electrical Insulated Gloves	☐ Pinch Points	List potential pinch points: ☐ Working near operating equipment ☐ Hand/Body positioning	☐ Additional information below
☐ Arm Sleeves			
Foot Protection			
☒ Safety Toe Boots	☐ Working w/Chemicals	☐ The task creates potential for direct contact with hazardous chemicals. ☐ Reviewed MSDS hazards and precautions ☐ Have identified proper PPE (respirators, clothing, gloves, etc.	☐ Have proper containers and labels
☐ Rubber Boots			
☐ Rubber Boot Covers			
☐ Dielectric Footware	☐ Heat Stress Potential	☐ Heat stress monitoring (>85° F; 29.4° C) ☒ Liquids available ☒ Sun Screen ☐ Reviewed Heat Stress symptoms	☐ Cool down periods ☐ Additional info below
Respiratory Protection			
☐ Dust Mask (NIOSH)	☐ Cold Stress Potential	☐ Proper clothing (i.e., gloves, coat, coveralls) ☐ Reviewed Cold Stress symptoms ☐ Warm up periods	☐ Wind chill (<32° F; 0° C) ☐ Additional information below
☐ Air Purifying Respirator			
☐ Supplied Air Respirator	☐ Environmental	☐ Air emissions ☐ Water discharge ☐ Pollution prevention	☐ Hazardous wastes ☐ Other wastes ☐ Waste minimization
☐ SCBA			
☐ Emergency Escape Respirator	☒ Natural or Site Hazards TS	☐ Weather ☐ Terrain ☐ Animals/reptiles/insects hazards	☐ Adjacent operations or processes ☐ Biological hazards
Special Clothing			
☐ Tyvek®	☐ Overhead Work	☐ Caution barricade tape required ☐ Rigid railing required ☐ Covers over opening	☐ Danger barricade tape required ☐ Warming signs required
☐ Poly Coated Tyvek®			
☐ NOMEX®			
☐ Rain Suit			
Fall Protection			
☐ Harness			
☐ Double Lanyard Required			
☐ Anchorage Point Available			

Additional Information

Daily Safety Task Analysis

JOB/TASK Backfill Excavation

DATE 5-24-07

Work Area SD-11 2320 Jet propulsion Fuel Test Cell.

Permits(s) Required and attached ☐ YES ☐ NO

Major Steps of Task:	Recognized/Unanticipated Hazards:	Safe Plan:	Tools Required to do the job safely:
Dump or Push Backfill Material Into Excavation	Pedestrian's on ground	Use hand signals with operator	Front End Loader
Compact Backfill.	Pedestrians on ground	Use hand signals with operator	Front End Loader

Other Items discussed during the Safety Briefing:
Continue to use PPE, especially safety glasses due to wind and dust, make sure to continue to use hand signals with operator.

Adjacent Work/Processes and/or co-occupancy ☐ Yes ☒ No ☐ Other workers adjacent, above, below
☐ Notified them of our presence ☐ Coordinated with adjacent work supervisor/customer operator ☐ Can work safely

TEAM MEMBERS SIGNATURES

Tony Sedlacek

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Supervisor's Signature: Tony Sedlacek Date 5-24-07

Instructions: 1. Write the name of the job or task in the space provided. 2. Conduct a walk-through survey of work area. 3. Write the steps of the task in a safe sequence. 4. List all possible hazards involved in each step as well as reaction to failure. 5. In the Safe Plan column, provide the corrective actions that will be taken to keep the hazard from becoming an accident or injury. 6. In Tools column list tools needed to do the job, additional safety equipment, etc. 7. Have each team member that helped develop and will use this STA sign in the spaces provided at the bottom. 8. Review the STA at the end of the task for improvements. (NOTE: THE WORK SHALL STOP IF CONDITIONS CHANGE, JOB CHANGES, OR DEFICIENCY IN PLAN IS NOTED.)

Safe Plan of Action Checklist (Check the items that apply)

Permits/Clearances	Hazards	Safe Plan	
☒ Utility Clearance Obtained			
☐ Confined Space	☐ Overhead Utilities	☐ Power de-energization required ☐ Required clearance distance = _____ ft.	☐ Insulation blankets required ☐ Wire watcher required ☐ Safe work zone marked
☐ Critical Lift			
☐ Hoisting & Rigging Safety Review	☐ Crane or other Lifting Equipment	☐ Signalman assigned ☐ Tag lines in use ☐ Lifting equipment inspected	☐ Area around crane barricaded ☐ Personnel protected from overhead load
☐ Boom Assembly and Breakdown			
☐ Boom Proximity	☒ Underground Utilities	☐ Reviewed as-builts ☐ Required clearance distance = _____ ft.	☐ Subsurface surveys ☐ Received dig permit ☐ Safe work zone marked
☐ Concrete Structure Penetration			
☒ Soil Excavation	☐ Electrical	☐ Lock Out/Tag Out/Try Out? ☐ Reviewed electrical safety procedures	☐ Permit required ☐ Confirm that equipment is de-energized ☐ Additional info below
☐ Pneumatic Test			
☐ Hot Work	☒ Excavations	☐ Permits ☒ Inspected prior to entering ☒ Barricades provided ☐ Access/egress provided	☐ Proper sloping/shoring ☐ Protection from accumulated water
☐ Scaffolding Erection Plan			
☐ Steel Erection/Decking/Flooring/ Grating Checklist	☐ Fire Hazard	☐ Permit ☐ Fire Extinguishers ☐ Unnecessary flammable material removed	☐ Fire watch ☐ Adjacent area protected ☐ Additional info below
☐ Request for Shutdown			
☐ Electrically Hazardous Work	☒ Vehicular Traffic or Heavy Equipment	☐ Traffic Barricades ☐ Cones ☐ Signs ☒ Communication with equipment operator	☐ Flagmen ☐ Lane closure ☐ Additional information below
☐ Radiation Work Permit for Visitors			
Required PPE	☒ Noise > 85 dB	Hearing protection is required: ☒ Ear plugs ☐ Ear muffs	☐ Both ☐ Additional info below
☒ Hard Hat	☐ Hand & Power Tools:	☐ Inspect general condition ☐ GFCI in use ☐ Reviewed safety requirements in operators manual(s)	☐ Identified PEP required for each tool ☐ Guarding OK ☐ Additional info below
☒ Ear Plugs/Ear Muffs			
Eye Protection	☐ Hand Hazards	☐ List sharp tools, material, equipment ☐ PPE gloves, etc. ☐ Protected sharp edges as necessary	☐ Additional info below
☒ Safety Glasses			
☐ Face Shield			
☐ Chemical Goggles	☐ Manual Lifting	☐ Reviewed proper lifting tech. ☐ Hand protection required ☐ Back support belts	☐ Identified material requiring lifting equipment ☐ Additional information below
☐ Welding Hood			
Hand Protection	☐ Ladders	☐ Inspect general condition before use ☐ Ladder tied off ☐ Proper angle and placement	☐ Ladder inspected within last quarter ☐ Reviewed ladder safety
☐ Cut Resistant Gloves			
☐ Welders Gloves	☐ Scaffolds	☐ Inspect general condition before use ☐ Toe boards used ☐ Footings adequate	☐ Tags in place ☐ Properly secured ☐ Materials properly stored on scaffold
☐ Nitrile Gloves			
☐ Surgical Gloves	☒ Slips, Trips, Falls	☒ Inspect for trip hazards ☐ Hazards marked ☐ Extension cords properly secured ☐ Work zone free of debris	☐ Tools & material properly stored ☐ Additional information below
☐ Rubber Gloves			
☐ Electrical Insulated Gloves	☐ Pinch Points	List potential pinch points: ☐ Working near operating equipment ☐ Hand/Body positioning	☐ Additional information below
☐ Arm Sleeves			
Foot Protection			
☒ Safety Toe Boots	☐ Working w/Chemicals	☐ The task creates potential for direct contact with hazardous chemicals. ☐ Reviewed MSDS hazards and precautions ☐ Have identified proper PPE (respirators, clothing, gloves, etc.	☐ Have proper containers and labels
☐ Rubber Boots			
☐ Rubber Boot Covers			
☐ Dielectric Footware	☐ Heat Stress Potential	☐ Heat stress monitoring (>85° F; 29.4° C) ☐ Liquids available ☐ Sun Screen ☐ Reviewed Heat Stress symptoms	☐ Cool down periods ☐ Additional info below
Respiratory Protection			
☐ Dust Mask (NIOSH)	☐ Cold Stress Potential	☐ Proper clothing (i.e., gloves, coat, coveralls) ☐ Reviewed Cold Stress symptoms ☐ Warm up periods	☐ Wind chill (<32° F; 0° C) ☐ Additional information below
☐ Air Purifying Respirator			
☐ Supplied Air Respirator	☒ Environmental	☐ Air emissions ☐ Water discharge ☐ Pollution prevention	☐ Hazardous wastes ☐ Other wastes ☐ Waste minimization
☐ SCBA			
☐ Emergency Escape Respirator	☐ Natural or Site Hazards	☐ Weather ☐ Terrain ☐ Animals/reptiles/insects hazards	☐ Adjacent operations or processes ☐ Biological hazards
Special Clothing			
☐ Tyvek®	☐ Overhead Work	☐ Caution barricade tape required ☐ Rigid railing required ☐ Covers over opening	☐ Danger barricade tape required ☐ Warning signs required
☐ Poly Coated Tyvek®			
☐ NOMEX®	**Additional Information**		
☐ Rain Suit	Environmental – windy, lots of dust.		
Fall Protection			
☐ Harness			
☐ Double Lanyard Required			
☐ Anchorage Point Available			

Daily Safety Task Analysis

JOB/TASK Backfill Excavation (Top Y')

DATE 5-25-07

Work Area SD-11 2320 Jet Propulsion Fuel Test Cell

Permits(s) Required and attached ☐ YES ☐ NO

Major Steps of Task:	Recognized/Unanticipated Hazards:	Safe Plan:	Tools *Required* to do the job safely:
Dump or push Backfill Material into excavation	Pedestrian Traffic/Dump truck Traffic	Use hand signals	Front end loader
Compact Backfill	Pedestrian Traffic/Dump truck traffic	Use hand signals	Front end loader

Other Items discussed during the Safety Briefing:

Adjacent Work/Processes and/or co-occupancy ☐ Yes ☒ No ☐ Other workers adjacent, above, below

☐ Notified them of our presence ☐ Coordinated with adjacent work supervisor/customer operator ☐ Can work safely

TEAM MEMBERS SIGNATURES

Tony Sedlacek

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Supervisor's Signature: Tony Sedlacek Date 5-25-07

Instructions: 1. Write the name of the job or task in the space provided. 2. Conduct a walk-through survey of work area. 3. Write the steps of the task in a safe sequence. 4. List all possible hazards involved in each step as well as reaction to failure. 5. In the Safe Plan column, provide the corrective actions that will be taken to keep the hazard from becoming an accident or injury. 6. In Tools column list tools needed to do the job, additional safety equipment, etc. 7. Have each team member that helped develop and will use this STA sign in the spaces provided at the bottom. 8. Review the STA at the end of the task for improvements. (NOTE: THE WORK SHALL STOP IF CONDITIONS CHANGE, JOB CHANGES, OR DEFICIENCY IN PLAN IS NOTED.)

Safe Plan of Action Checklist (Check the items that apply)

Permits/Clearances	Hazards	Safe Plan
☒ Utility Clearance Obtained	☐ Overhead Utilities	☐ Power de-energization required ☐ Insulation blankets required ☐ Wire watcher required ☐ Required clearance distance = _____ ft. ☐ Safe work zone marked
☐ Confined Space	☐ Crane or other Lifting Equipment	☐ Signalman assigned ☐ Tag lines in use ☐ Area around crane barricaded ☐ Lifting equipment inspected ☐ Personnel protected from overhead load
☐ Critical Lift	☒ Underground Utilities	☐ Reviewed as-builts ☐ Subsurface surveys ☐ Received dig permit ☐ Required clearance distance = _____ ft. ☐ Safe work zone marked
☐ Hoisting & Rigging Safety Review	☐ Electrical	☐ Lock Out/Tag Out/Try Out? ☐ Permit required ☐ Confirm that equipment is de-energized ☐ Reviewed electrical safety procedures ☐ Additional info below
☐ Boom Assembly and Breakdown	☒ Excavations	☐ Permits ☒ Inspected prior to entering ☐ Proper sloping/shoring ☒ Barricades provided ☐ Access/egress provided ☐ Protection from accumulated water
☐ Boom Proximity	☐ Fire Hazard	☐ Permit ☐ Fire Extinguishers ☐ Fire watch ☐ Adjacent area protected ☐ Unnecessary flammable material removed ☐ Additional info below
☐ Concrete Structure Penetration	☒ Vehicular Traffic or Heavy Equipment	☐ Traffic Barricades ☐ Cones ☐ Signs ☐ Flagmen ☐ Lane closure ☒ Communication with equipment operator ☐ Additional information below
☒ Soil Excavation	☒ Noise > 85 dB	Hearing protection is required: ☒ Ear plugs ☐ Ear muffs ☐ Both ☐ Additional info below
☐ Pneumatic Test	☐ Hand & Power Tools:	☐ Inspect general condition ☐ GFCI in use ☐ Identified PEP required for each tool ☐ Reviewed safety requirements in operators manual(s) ☐ Guarding OK ☐ Additional info below
☐ Hot Work	☐ Hand Hazards	☐ List sharp tools, material, equipment ☐ PPE gloves, etc. ☐ Protected sharp edges as necessary ☐ Additional info below
☐ Scaffolding Erection Plan	☐ Manual Lifting	☐ Reviewed proper lifting tech. ☐ Identified material requiring lifting equipment ☐ Hand protection required ☐ Back support belts ☐ Additional information below
☐ Steel Erection/Decking/Flooring/ Grating Checklist	☐ Ladders	☐ Inspect general condition before use ☐ Ladder inspected within last quarter ☐ Ladder tied off ☐ Proper angle and placement ☐ Reviewed ladder safety
☐ Request for Shutdown	☐ Scaffolds	☐ Inspect general condition before use ☐ Tags in place ☐ Properly secured ☐ Toe boards used ☐ Footings adequate ☐ Materials properly stored on scaffold
☐ Electrically Hazardous Work	☒ Slips, Trips, Falls	☒ Inspect for trip hazards ☐ Hazards marked ☐ Tools & material properly stored ☐ Extension cords properly secured ☐ Work zone free of debris ☐ Additional information below
☐ Radiation Work Permit for Visitors	☐ Pinch Points	List potential pinch points: ☐ Working near operating equipment ☐ Hand/Body positioning ☐ Additional information below
Required PPE	☐ Working w/Chemicals	☐ The task creates potential for direct contact with hazardous chemicals. ☐ Reviewed MSDS hazards and precautions ☐ Have proper containers and labels ☐ Have identified proper PPE (respirators, clothing, gloves, etc.
☒ Hard Hat	☐ Heat Stress Potential	☐ Heat stress monitoring (>85° F; 29.4° C) ☐ Liquids available ☐ Cool down periods ☐ Sun Screen ☐ Reviewed Heat Stress symptoms ☐ Additional info below
☒ Ear Plugs/Ear Muffs	☐ Cold Stress Potential	☐ Proper clothing (i.e., gloves, coat, coveralls) ☐ Wind chill (<32° F; 0° C) ☐ Reviewed Cold Stress symptoms ☐ Warm up periods ☐ Additional information below
Eye Protection	☐ Environmental	☐ Air emissions ☐ Water discharge ☐ Hazardous wastes ☐ Other wastes ☐ Pollution prevention ☐ Waste minimization
☒ Safety Glasses	☐ Natural or Site Hazards	☐ Weather ☐ Terrain ☐ Adjacent operations or processes ☐ Biological hazards ☐ Animals/reptiles/insects hazards
☐ Face Shield	☐ Overhead Work	☐ Caution barricade tape required ☐ Danger barricade tape required ☐ Rigid railing required ☐ Covers over opening ☐ Warning signs required
☐ Chemical Goggles	**Additional Information**	
☐ Welding Hood		
Hand Protection		
☐ Cut Resistant Gloves		
☐ Welders Gloves		
☐ Nitrile Gloves		
☐ Surgical Gloves		
☐ Rubber Gloves		
☐ Electrical Insulated Gloves		
☐ Arm Sleeves		
Foot Protection		
☒ Safety Toe Boots		
☐ Rubber Boots		
☐ Rubber Boot Covers		
☐ Dielectric Footware		
Respiratory Protection		
☐ Dust Mask (NIOSH)		
☐ Air Purifying Respirator		
☐ Supplied Air Respirator		
☐ SCBA		
☐ Emergency Escape Respirator		
Special Clothing		
☐ Tyvek®		
☐ Poly Coated Tyvek®		
☐ NOMEX®		
☐ Rain Suit		
Fall Protection		
☐ Harness		
☐ Double Lanyard Required		
☐ Anchorage Point Available		

APPENDIX G Daily Heavy Equipment Safety Inspection Checklists

Drill/Direct Push Type Rig Inspection Checklist

SITE/PROJECT NAME: Cannon AFB SD-11 CMI
RIG INSPECTOR (NAME/CO.): Mike Sonderman URS Group, Inc. (Omaha)
RIG INFORMATION:

Rig Type: Rotary/Auger Drilling Rig [X] Direct Push Type (DPT) [ ]
Owner: Atkins Engineering
Yr/Make: (Mobile)
Model: Mobile B-58
VIN #:
Mileage:
Drill Hrs:

Inspector to initial columns below as appropriate

CATEGORY	INSPECTION ITEMS	PASS	FAIL	N/A	ACTION NEEDED
Emergency Switches	Kill switches are located and accessible to workers on both sides of the rotating stem. **NOTE:** Location and number of switches depend on the rig manufacturer, please refer to owner's manual (DPT typically has one switch on control panel).	X mf			
	Kill switches installed by the manufacturer are verified to be in operable condition and all workers are familiar with the location and operation of these switches. **NEVER BYPASS, DISABLE, OR REMOVE KILL DEVICES.**	X mf			
Protective Guards	Drive shafts, belts, chain drives, and universal joints are guarded to prevent accidental insertion of hands, fingers, or tools.	mf			
Cables	Cables on drill rig are free of kinks, frayed wires, birdcages, flat spots, grease, and worn or missing sections.	mf			
	Cables are terminated at the working end with a proper eye splice; either swaged, coupled, or using cable clamps.	mf			
	Cable clamps are installed with the saddle on the live or load side. Clamps are not alternated and are of the correct size and number for the cable size.	mf			
	Wire ropes are not allowed to bend around sharp edges without cushion material.	mf			
Pulleys	Pulleys are not to be bent, cracked, or broken.	mf			
	Pulleys operate smoothly and freely, without resistance.	mf			
Cable Winches	Motor is mounted in correct location and tightly secured to drill rig.	mf			
	Winch is capable of being placed in the free spool (unwind smoothly) and locked position correctly, demonstrating that the cable is suitable for lifting during drilling operations.	mf			
Safety Latches	Hooks installed on hoist cables are the safety type with a functional latch to prevent accidental separation.	mf			
	Safety latches are functional and completely span the entire throat of the hook and have positive action to close the throat except when manually displaced for connecting or disconnecting a load.	mf			
Flights/Augers	Flights/Augers should not be bent, cracked, or broken. **NOTE:** Flights/Augers failing inspection must be removed from jobsite.	mf			
	Flights should be blunt to prevent the risks of cuts.	mf			
	Auger keys should not be bent, have any cracks/fractures, be excessively worn, or otherwise damaged.			X	
	Auger bolt holes and threads should not be damaged.	mf			

Drill/Direct Push Type Rig Inspection Checklist

CATEGORY	INSPECTION ITEMS	PASS	FAIL	N/A	ACTION NEEDED
Flights/Augers (cont.)	Inspect flights/augers for metal burrs. **NOTE:** Burrs must be filed to flat surface.	✓			
	Avoid stacking augers; all should lay flat on ground.	✓			
	Avoid manually lifting/moving augers. Should be lifted/moved with cable lines, or, at a minimum, by two persons.	✓			
Drill String	Drill string should not be bent or have any cracks/fractures.	✓			
	Drill string connecting pins should not be bent, have any cracks/fractures, or be excessively worn.	✓			
Mast	Mast is free of bends, cracks, or broken sections.	✓			
	All mounting hardware (pins, bolts, etc.) should be in place.	✓			
	No moving of drill rig while mast is in vertical position.	✓			
	Maintenance/repairs to be performed on mast only in horizontal position.			X	
Hammering Device	Hammer free of cracks, fatigue, or other signs of excessive wear.	✓			
	Hammer connections are secure.	✓			
Leveling Devices	Jacks Outriggers move in/out and up/down smoothly and freely while using controls on drill rig, with no hydraulic leaks.	✓			
	Outriggers are extended prior to and whenever the mast is raised off its cradle. Outriggers must maintain pressure to continuously support and stabilize the drill rig (even while unattended).	✓	*can't leave unattended with jacks utilized		
	Outriggers are properly supported on the ground surface to prevent settling into the soil (use of outrigger support pads).	✓			
Controls	Controls are intact, properly labeled, have freedom of movement, and have no loose wiring or connections.	✓			
	Controls are not blocked or locked into an operating position.	✓			
	Installed lights, signals, gauges, and alarms operate properly.	✓			
Lifting Devices	Slings, chokers, and lifting devices are inspected before using and are in proper working order. **NOTE:** Damaged units are to be labeled and removed from jobsite.	✓			
	Shackles/Clevises are in proper working order with pins/ screws in place that is to be used while lifting.	✓			
	Cables and lifting devices are not operated erratically or with a jerking action to overcome resistance.	✓			
Hydraulic System	Hydraulic lines are secure, in good condition with no signs of excessive wear, and not leaking. **NOTE:** Check while pressurized.	✓			
	Hydraulic lines are not in a bent or pinched position causing additional fluid restrictions/pressures.	✓			
	Hydraulic oil reservoir has appropriate amount of oil and not leaking.	✓			
	Documentation available to confirm that pressure relief valve was checked during shop maintenance activity and noted on maintenance log.			NA	
Pump Lines (water, grout, etc.)	Suction/Discharge hoses, pipes, valves, and fittings are secured and not leaking.	✓			
	High pressure hoses have a safety chain, cable, or strap at each end to prevent whipping in the event of a failure.			NA	
Fire Prevention	A fire extinguisher of appropriate size is located on drill rig and readily available/accessible for drilling crew (recommended 20 lb.).	✓	In support trucks and drill rig.		
	Documentation available to confirm that the drilling crew has received training on proper use of fire extinguishers.	—			
Ladders	Drill rig has a permanently attached or proper portable ladder to be used for access to drilling platform.	✓			
Tracks	Tracks on rig are not excessively worn and free of any debris or foreign material.			NA	

Drill/Direct Push Type Rig Inspection Checklist

CATEGORY	INSPECTION ITEMS	PASS	FAIL	N/A	ACTION NEEDED
General	Drill rig meets regulations for transport on state/federal highways (inspection sticker, license plate, etc.).	mh			
	Documentation available to verify that rig was inspected prior to arriving at ExxonMobil job sites.			NA	
	Does the rig size meet job requirements?	mh			
	Maintenance log available for previous 3 months to confirm proper maintenance/inspection.			NA	
Exhaust	Exhaust system should be free from defect and routes engine exhaust away from drill rig workers.	mh			
Fuels	Fuel stored in an approved and properly labeled container.			NA	
	Fuel transfer lines free from signs of excessive wear and not leaking.	mh			
	Refueling and transferring of fuel is performed in an approved area with sufficient containment to prevent spillage.			NA	
Exclusion/ Work Zones	The exclusion/work zone is centered over the borehole and the radius equal to or greater than the height of the mast (measured from ground level).	mh			
	The exclusion/work zone should be clear of tripping hazards.	mh			
Overhead Obstructions	Except where electrical distribution and transmission lines have been de-energized and visibly grounded, drill rigs will be operated proximate to under, by, or near power lines in accordance with the following: * 50 KV or less - minimum clearance of 10 feet * 50 KV or greater - add 0.4 inches for every KV over 50 KV * If voltage is unknown, maintain at least 20 feet of clearance.			NA	
	While the rig is in transit, clearance from energized power lines will be maintained as follows: * Less than 50 KV - 4 feet * 50 thru 365 KV - 10 feet * 366 thru 720 KV - 16 feet			NA	
...ng Repairs	Repairs, when possible, are conducted offsite to reduce the risk of any onsite incidents.			NA	
Specialized PPE	When working at elevated heights, workers are to wear a fall restraining device attached in a manner to restrict fall to less than six feet.			NA	
	When working in wet/slippery conditions, all workers have a lug-type sole or similar slip resistant sole, on their safety footwear to prevent slipping.			NA	

RECOMMENDED SPARE PARTS OR ITEMS TO BE SENT WITH DRILL CREW

DRILL RIG

Emergency Switch
Drive Coupling
Shear pins/keys (for drive coupling)
Pump Packing
Pump Hoses
Auger Bolts
Rod to cap pins
Cutter Head

Safety Latches, Hooks, Clamps
Split Spoon Cutter Head
Spill Kit (5 gal. bucket with oil dry and absorbent pads)

DPT RIG

Emergency Switch
Drive Caps
Cutter Head
Pull Cap
Liner Cutter
Rod to Cap Pins
Liner Holder (used while cutting)
Spill Kit (5 gal. Bucket with oil dry and absorbent pads)

URS	Health, Safety, and Environment **DAILY HEAVY EQUIPMENT SAFETY INSPECTION CHECKLIST**	Attachment 19-1

Equipment Id No. DW644HX584862 Inspector's Name Tony Sedlacek

Equipment Name John Deere Front End Loader Employee No. 36875

Beg. Hours 1500 End Hours 1730 Date 5-21-07

INSTRUCTIONS: Each shift shall inspect all applicable items indicated. If an unsatisfactory condition is observed, suspend operation of the equipment and report the unsatisfactory condition to the site supervisor immediately.

ITEM INSPECTED	CHECK IF SATISFACTORY	COMMENTS
Falling Object Protective Structure (FOP)	X	
Roll-Over Protection Structure (ROP)	X	
Seat Belts	X	
Operator Seat Bar(s)	~~X~~ TS N/A	Has Seat Belt
Side Shields, Screens or Cab	X	Glass Encased
Lift Arm Device	N/A	Has seat belt
Grab Handles	X	
Back-up Alarm -- Working	X	
Lights	X	
Guards	X	
Horn	X	
Windshield Wipers	X	
Glass, Mirrors	X	
Anti-Skid Tread Clear of Mud	X	
Safety Signs (i.e., counterbalance swing area)	X	Front end loader (Pinch points)
Fire Extinguisher	X	
General Condition	X	
Fuel Connection	X	Slight leak ok to operate
Oil (fuel and no leaks)	X	
Clear of Extra Materials	X	
Controls Function Properly	X	
Hydraulic System (full and no leaks)	X	
Parking Brake	X	
Lift Arm and Bucket	X	
Tires/Tracks	X	
Steering	X	
Breathing Air System	X	open windows, air conditioner, air vents
Blast Shields	N/A	
Gallons of Fuel Added		None
Quarts of Oil Added		None, greased zirts

Operator Signature Michael W. Bigler

URS	Health, Safety, and Environment **DAILY HEAVY EQUIPMENT SAFETY INSPECTION CHECKLIST**	Attachment 19-1

Equipment Id No. 2JR02055 Inspector's Name Tony Sedlacek

Equipment Name Caterpillar Track Hoe Employee No. 36875

Beg. Hours 1215 End Hours 1700 Date 5-21-07

INSTRUCTIONS: Each shift shall inspect all applicable items indicated. If an unsatisfactory condition is observed, suspend operation of the equipment and report the unsatisfactory condition to the site supervisor immediately.

ITEM INSPECTED	CHECK IF SATISFACTORY	COMMENTS
Falling Object Protective Structure (FOP)	X	
Roll-Over Protection Structure (ROP)	X	
Seat Belts	X	
Operator Seat Bar(s)	N/A	Has seat belt
Side Shields, Screens or Cab	X	
Lift Arm Device	N/A	Has Seat belt
Grab Handles	X	
Back-up Alarm – Working		The back up alarm not working. Diamondback fixed
Lights	X	
Guards	X	Engine Cage ok
Horn	X	
Windshield Wipers		Wiper not touching the window. Dry condition from No work in rain
Glass, Mirrors	X	
Anti-Skid Tread Clear of Mud	X	
Safety Signs (i.e., counterbalance swing area)	~~N/A~~ TS	None
Fire Extinguisher	X	
General Condition	X	
Fuel Connection	X	
Oil (fuel and no leaks)	X	
Clear of Extra Materials	X	
Controls Function Properly	X	
Hydraulic System (full and no leaks)	X	
Parking Brake	X	
Lift Arm and Bucket	X	
Tires/Tracks	X	
Steering	X	
Breathing Air System		Front open (window open)
Blast Shields	N/A	
Gallons of Fuel Added		None
Quarts of Oil Added	None (x)	None (Greased all ~~zirts~~ TS)

Operator Signature James R Herrington

URS	Health, Safety, and Environment **DAILY HEAVY EQUIPMENT SAFETY INSPECTION CHECKLIST**	Attachment 19-1

Equipment Id No. DW644HX584862 Inspector's Name Tony Sedlacek

Equipment Name John Deere Front end Loader Employee No. 36875

Beg. Hours 0840 End Hours 1700 Date 5-22-07

INSTRUCTIONS: Each shift shall inspect all applicable items indicated. If an unsatisfactory condition is observed, suspend operation of the equipment and report the unsatisfactory condition to the site supervisor immediately.

ITEM INSPECTED	CHECK IF SATISFACTORY	COMMENTS
Falling Object Protective Structure (FOP)	X	
Roll-Over Protection Structure (ROP)	X	
Seat Belts	X	
Operator Seat Bar(s)	N/A	Has Seat Belt
Side Shields, Screens or Cab	X	Glass encased
Lift Arm Device	N/A	~~Has seat belt.~~ TS
Grab Handles	X	
Back-up Alarm – Working	X	
Lights	X	
Guards	X	Metal mud Flaps.
Horn	X	
Windshield Wipers	X	
Glass, Mirrors	X	
Anti-Skid Tread Clear of Mud	X	
Safety Signs (i.e., counterbalance swing area)		Front end loader (Pinch Points)
Fire Extinguisher	X	
General Condition	X	
Fuel Connection	X	Slight leak
Oil (fuel and no leaks)		Small leaks on fuel line
Clear of Extra Materials	X	
Controls Function Properly	X	
Hydraulic System (full and no leaks)	X	
Parking Brake	X	
Lift Arm and Bucket	X	
Tires/Tracks	X	
Steering	X	
Breathing Air System	X	Open windows, air conditioner, air vents
Blast Shields	N/A	Not applicable
Gallons of Fuel Added		None
Quarts of Oil Added	~~N~~ TS	none, greased zirts

Operator Signature Michael W. Bogle

URS	Health, Safety, and Environment **DAILY HEAVY EQUIPMENT SAFETY INSPECTION CHECKLIST**	Attachment 19-1

Equipment Id No. 2JR02055 Inspector's Name Tony Sedlacek

Equipment Name Caterpillar Track Hoe Employee No. 36875

Beg. Hours ~~0830~~ TS 0840 End Hours 1700 Date 5-22-07

INSTRUCTIONS: Each shift shall inspect all applicable items indicated. If an unsatisfactory condition is observed, suspend operation of the equipment and report the unsatisfactory condition to the site supervisor immediately.

ITEM INSPECTED	CHECK IF SATISFACTORY	COMMENTS
Falling Object Protective Structure (FOP)	X	
Roll-Over Protection Structure (ROP)	X	
Seat Belts	X	
Operator Seat Bar(s)	N/A	Has seat belt
Side Shields, Screens or Cab	X	
Lift Arm Device	N/A	Has seat belt
Grab Handles	X	
Back-up Alarm – Working	X	
Lights	X	
Guards	X	Engine Cage ok
Horn	X	
Windshield Wipers		Wipers not touching the window. Clear no rain ok.
Glass, Mirrors	X	
Anti-Skid Tread Clear of Mud	X	
Safety Signs (i.e., counterbalance swing area)	~~N/A~~ TS	None
Fire Extinguisher	X	
General Condition	X	
Fuel Connection	X	
Oil (fuel and no leaks)	X	
Clear of Extra Materials	X	
Controls Function Properly	X	
Hydraulic System (full and no leaks)	X	
Parking Brake	X	
Lift Arm and Bucket	X	
Tires/Tracks	X	
Steering	X	
Breathing Air System		Front open (window open)
Blast Shields	N/A	
Gallons of Fuel Added		20 Gallons
Quarts of Oil Added	(X)	None (Greased all zirb)

Operator Signature James R Herrington

URS	Health, Safety, and Environment **DAILY HEAVY EQUIPMENT SAFETY INSPECTION CHECKLIST**	Attachment 19-1

Equipment Id No. DW644HX 584862 Inspector's Name Tony Sedlacek

Equipment Name John Deer Front End Load Employee No. 36875

Beg. Hours 0815 End Hours 1700 Date 5-23-07

INSTRUCTIONS: Each shift shall inspect all applicable items indicated. If an unsatisfactory condition is observed, suspend operation of the equipment and report the unsatisfactory condition to the site supervisor immediately.

ITEM INSPECTED	CHECK IF SATISFACTORY	COMMENTS
Falling Object Protective Structure (FOP)	X	
Roll-Over Protection Structure (ROP)	X	
Seat Belts	X	
Operator Seat Bar(s)	N/A	Has Seat Belt
Side Shields, Screens or Cab	X	Glass encased
Lift Arm Device	N/A	Has seat belt
Grab Handles	X	
Back-up Alarm – Working	X	
Lights	X	
Guards	X	metal mud flaps
Horn	X	
Windshield Wipers	X	
Glass, Mirrors	X	
Anti-Skid Tread Clear of Mud	X	
Safety Signs (i.e., counterbalance swing area)		~~no Signs~~ (Pinch Points)
Fire Extinguisher	X	
General Condition	X	
Fuel Connection	X	Slight leak
Oil (fuel and no leaks)		Small leak on fuel lines
Clear of Extra Materials	X	
Controls Function Properly	X	
Hydraulic System (full and no leaks)	X	
Parking Brake	X	
Lift Arm and Bucket	X	
Tires/Tracks	X	
Steering	X	
Breathing Air System	X	Open windows, air conditioning, air vents
Blast Shields	N/A	Not Applicable
Gallons of Fuel Added	X	25
Quarts of Oil Added		none, greased zirts

Operator Signature Michael W. Bigbee

URS	Health, Safety, and Environment **DAILY HEAVY EQUIPMENT SAFETY INSPECTION CHECKLIST**	Attachment 19-1

Equipment Id No. 2JR02055 Inspector's Name Tony Sedlacek

Equipment Name Caterpillar Track Hoe Employee No. 36875

Beg. Hours 0830 End Hours 1700 Date 5-23-07

INSTRUCTIONS: Each shift shall inspect all applicable items indicated. If an unsatisfactory condition is observed, suspend operation of the equipment and report the unsatisfactory condition to the site supervisor immediately.

ITEM INSPECTED	CHECK IF SATISFACTORY	COMMENTS
Falling Object Protective Structure (FOP)	X	
Roll-Over Protection Structure (ROP)	X	
Seat Belts	X	
Operator Seat Bar(s)	N/A	Has a Seat Belt
Side Shields, Screens or Cab	X	
Lift Arm Device	N/A	Has seat belt
Grab Handles	X	
Back-up Alarm – Working	X	
Lights	X	
Guards	X	
Horn	X	
Windshield Wipers		Wiper not making contact with window, Dry conditions no Rain
Glass, Mirrors	X	
Anti-Skid Tread Clear of Mud	X	Tracks ok
Safety Signs (i.e., counterbalance swing area)		None
Fire Extinguisher	X	
General Condition	X	
Fuel Connection	X	
Oil (fuel and no leaks)	X	
Clear of Extra Materials	X	
Controls Function Properly	X	
Hydraulic System (full and no leaks)	X	
Parking Brake	X	
Lift Arm and Bucket	X	
Tires/Tracks	X	
Steering	X	
Breathing Air System		Front open (window open)
Blast Shields	N/A	
Gallons of Fuel Added		20 Gallons
Quarts of Oil Added	(X)	None (Greased all Zirts)

Operator Signature James R Herrington

URS	Health, Safety, and Environment **DAILY HEAVY EQUIPMENT SAFETY INSPECTION CHECKLIST**	Attachment 19-1

Equipment Id No. DW644HX584862 Inspector's Name Tony Sedlacek

Equipment Name John Deere Front End Loader Employee No. 36875

Beg. Hours 08:15 End Hours ~~0 TB 1130~~ 1600 Date 5-24-07

INSTRUCTIONS: Each shift shall inspect all applicable items indicated. If an unsatisfactory condition is observed, suspend operation of the equipment and report the unsatisfactory condition to the site supervisor immediately.

ITEM INSPECTED	CHECK IF SATISFACTORY	COMMENTS
Falling Object Protective Structure (FOP)	X	
Roll-Over Protection Structure (ROP)	X	
Seat Belts	X	
Operator Seat Bar(s)	N/A	Has seat Belt
Side Shields, Screens or Cab	X	Glass enclosed
Lift Arm Device	N/A	Has seat Belt
Grab Handles	X	
Back-up Alarm – Working	X	
Lights	X	
Guards	X	Metal Mud Flaps, Engine compartment ok
Horn	X	
Windshield Wipers	X	
Glass, Mirrors	X	
Anti-Skid Tread Clear of Mud	X	
Safety Signs (i.e., counterbalance swing area)		~~No Signs~~ TB Pinch Points
Fire Extinguisher	X	
General Condition	X	
Fuel Connection	X	Slight leak
Oil (fuel and no leaks)		Small leak on fuel lines
Clear of Extra Materials	X	
Controls Function Properly	X	
Hydraulic System (full and no leaks)	X	
Parking Brake	X	
Lift Arm and Bucket	X	
Tires/Tracks	X	
Steering	X	
Breathing Air System	X	Air vents with Air Conditioner
Blast Shields	N/A	Not applicable
Gallons of Fuel Added	X	15 Gallons
Quarts of Oil Added	X	None, greased zirts

Operator Signature Michael W. Bishop

URS	Health, Safety, and Environment **DAILY HEAVY EQUIPMENT SAFETY INSPECTION CHECKLIST**	Attachment 19-1

Equipment Id No. 2JR02055 Inspector's Name Tony Sedlacek

Equipment Name Caterpillar Track Hoe Employee No. 36875

Beg. Hours 0815 End Hours 1100 Date 5-24-07

INSTRUCTIONS: Each shift shall inspect all applicable items indicated. If an unsatisfactory condition is observed, suspend operation of the equipment and report the unsatisfactory condition to the site supervisor immediately.

ITEM INSPECTED	CHECK IF SATISFACTORY	COMMENTS
Falling Object Protective Structure (FOP)	X	
Roll-Over Protection Structure (ROP)	X	
Seat Belts	X	
Operator Seat Bar(s)	N/A	Has a seat belt.
Side Shields, Screens or Cab	X	
Lift Arm Device	N/A	Has seat belt
Grab Handles	X	
Back-up Alarm – Working	X	
Lights	X	
Guards	X	
Horn	X	
Windshield Wipers		Wiper not making contact with window. Dry Conditions no rain
Glass, Mirrors	X	
Anti-Skid Tread Clear of Mud	X	Tracks ok
Safety Signs (i.e., counterbalance swing area)		None
Fire Extinguisher	X	
General Condition	X	
Fuel Connection	X	
Oil (fuel and no leaks)	X	
Clear of Extra Materials	X	
Controls Function Properly	X	
Hydraulic System (full and no leaks)	X	
Parking Brake	X	
Lift Arm and Bucket	X	
Tires/Tracks	X	
Steering	X	
Breathing Air System		Front & Side open (window)
Blast Shields	N/A	
Gallons of Fuel Added		10 Gallons
Quarts of Oil Added	(x)	None (Greased all Zirts)

Operator Signature James R Herrington

URS	Health, Safety, and Environment **DAILY HEAVY EQUIPMENT SAFETY INSPECTION CHECKLIST**	Attachment 19-1

Equipment Id No. DW644HX584862 Inspector's Name Tony Sedlacek

Equipment Name John Deere Front End Loader Employee No. 36875

Beg. Hours 0815 End Hours 1500 Date 5-25-07

INSTRUCTIONS: Each shift shall inspect all applicable items indicated. If an unsatisfactory condition is observed, suspend operation of the equipment and report the unsatisfactory condition to the site supervisor immediately.

ITEM INSPECTED	CHECK IF SATISFACTORY	COMMENTS
Falling Object Protective Structure (FOP)	X	
Roll-Over Protection Structure (ROP)	X	
Seat Belts	X	
Operator Seat Bar(s)	N/A	Has operatable seat belt
Side Shields, Screens or Cab	X	Glass enclosed
Lift Arm Device	N/A	Has seat belt
Grab Handles	X	
Back-up Alarm – Working	X	
Lights	X	
Guards	X	Metal Mud Flaps, Engine Compartment door ok.
Horn	X	
Windshield Wipers	X	
Glass, Mirrors	X	
Anti-Skid Tread Clear of Mud	X	
Safety Signs (i.e., counterbalance swing area)		~~No Signs~~ B (Pinch Points)
Fire Extinguisher	X	
General Condition	X	
Fuel Connection	X	Slight leak
Oil (fuel and no leaks)		Small leak on fuel lines
Clear of Extra Materials	X	
Controls Function Properly	X	
Hydraulic System (full and no leaks)	X	
Parking Brake	X	
Lift Arm and Bucket	X	
Tires/Tracks	X	
Steering	X	
Breathing Air System	X	Air vents with air conditioner
Blast Shields	N/A	Not Applicable
Gallons of Fuel Added	X	15 Gallons
Quarts of Oil Added	X	None, greased zerks

Operator Signature Michael W. Begley

APPENDIX H

Daily Excavation/Trench Inspection Reports

URS	Health and Safety Program **DAILY EXCAVATION / TRENCH INSPECTION REPORT**	Attachment 13-4 Revision 2: March 2005

Competent Person:	[illegible]	Date:	5-21-07
Project Name:	CMI Removal Action	Weather Conditions:	Partly Cloudy, Windy SW 20-30 mph
Projection Location:	Site SD-11 Cannon AFB	Rainfall Amounts 24 Hours Previous:	0.50 (approximate)

"I hereby attest that the following conditions existed and that the following items were checked or reviewed during this inspection".

Check Yes, No or N/A for Not Applicable. If comment is required, circle the number and see Page 2.

		Yes	No	N/A
1.	Are barricades or covers in place and in good condition?	X		
2.	Have tension cracks been observed along the top on any slopes?		X	
3.	Is excavated material at least 2' from the edge of the excavation?	X		
4.	Are slopes cut at design angle of repose?	X		
5.	Is any water seepage noted in trench walls or bottom?		X	
6.	Are pumps in place or available if needed?			X
7.	Is bracing system installed in accordance with design?			X
8.	Is there evidence of significant fracture planes in soil or rock?		X	
9.	Is there any evidence of caving or sloughing of soil since the last inspection?		X	
10.	Are there any zones of unusually weak soils or materials not anticipated?		X	
11.	Are there any noted dramatic dips or bedrock?		X	
12.	Are all short-term trench(s) covered within 24 hours?			X
13	Have non-compliance items been photographed?	X		
14.	Are hydraulic shores pumped to design pressure?			X
15.	Is shoring being used secure?			X
16.	Does plan include adequate safety factor for equipment being used?	X		
17.	Is traffic adequately away from trenching operation?	X		
18.	Are barricades up and secure?	X		
19.	Are there trees, boulders or other hazards in area?		X	
20.	Is vibration from equipment or traffic to close to trenching operation?		X	
21.	Are trench box(s) certified?			X
22.	Are GFCIs used on ALL temporary electrical cords?			X
23.	Is access and egress located within 25 feet of entrants?	X		
24.	Is hazardous testing done on a regular basis?	X		
25.	Has rescue procedure been established and is equipment immediately available?	X		

URS	Health and Safety Program DAILY EXCAVATION / TRENCH INSPECTION REPORT	Attachment 13-4 Revision 2: March 2005

Comments: Place question number in front of applicable comment.

13	– 5/21/07 – Ruptured water line. Water diverted into smaller trench away from main trench to minimize contamination & Protect structural integrity of ~~main~~ main excavation.

URS	Health and Safety Program **DAILY EXCAVATION / TRENCH INSPECTION REPORT**	Attachment 13-4 Revision 2: March 2005

Competent Person:	[signature]	Date:	5-22-07
Project Name:	CMI Removal Action	Weather Conditions:	85-90°F West Wind SSW 20-30mph
Projection Location:	Site SD-11 Cannon AFB	Rainfall Amounts 24 Hours Previous:	None

"I hereby attest that the following conditions existed and that the following items were checked or reviewed during this inspection".

Check Yes, No or N/A for Not Applicable. If comment is required, circle the number and see Page 2.

		Yes	No	N/A
1.	Are barricades or covers in place and in good condition?	X		
2.	Have tension cracks been observed along the top on any slopes?		X	
3.	Is excavated material at least 2' from the edge of the excavation?	X		
4.	Are slopes cut at design angle of repose?	X		
5.	Is any water seepage noted in trench walls or bottom?		X	
6.	Are pumps in place or available if needed?			X
7.	Is bracing system installed in accordance with design?			X
8.	Is there evidence of significant fracture planes in soil or rock?		X	
9.	Is there any evidence of caving or sloughing of soil since the last inspection?		X	
10.	Are there any zones of unusually weak soils or materials not anticipated?		X	
11.	Are there any noted dramatic dips or bedrock?		X	
12.	Are all short-term trench(s) covered within 24 hours?			X
13.	Have non-compliance items been photographed?			X
14.	Are hydraulic shores pumped to design pressure?			X
15.	Is shoring being used secure?			X
16.	Does plan include adequate safety factor for equipment being used?	X		
17.	Is traffic adequately away from trenching operation?	X		
18.	Are barricades up and secure?	X		
19.	Are there trees, boulders or other hazards in area?		X	
20.	Is vibration from equipment or traffic to close to trenching operation?		X	
21.	Are trench box(s) certified?			X
22.	Are GFCIs used on ALL temporary electrical cords?			X
23.	Is access and egress located within 25 feet of entrants?	X		
24.	Is hazardous testing done on a regular basis?	X		
25.	Has rescue procedure been established and is equipment immediately available?	X		

URS	Health and Safety Program **DAILY EXCAVATION / TRENCH INSPECTION REPORT**	Attachment 13-4 Revision 2: March 2005

Competent Person:	[illegible]	Date:	5-23-07
Project Name:	CMI Removal Action	Weather Conditions:	Partly Cloudy, High upper 70s - low 80s Calm wind in morning, SSW 20-30 mph in afternoon
Projection Location:	Cannon AFB Site SO-11	Rainfall Amounts 24 Hours Previous:	None

"I hereby attest that the following conditions existed and that the following items were checked or reviewed during this inspection".

Check Yes, No or N/A for Not Applicable. If comment is required, circle the number and see Page 2.

		Yes	No	N/A
1.	Are barricades or covers in place and in good condition?	X		
2.	Have tension cracks been observed along the top on any slopes?		X	
3.	Is excavated material at least 2' from the edge of the excavation?	X		
4.	Are slopes cut at design angle of repose?	X		
5.	Is any water seepage noted in trench walls or bottom?		X	
6.	Are pumps in place or available if needed?			X
7.	Is bracing system installed in accordance with design?			X
8.	Is there evidence of significant fracture planes in soil or rock?		X	
9.	Is there any evidence of caving or sloughing of soil since the last inspection?		X	
10.	Are there any zones of unusually weak soils or materials not anticipated?		X	
11.	Are there any noted dramatic dips or bedrock?		X	
12.	Are all short-term trench(s) covered within 24 hours?			X
13.	Have non-compliance items been photographed?			X
14.	Are hydraulic shores pumped to design pressure?			X
15.	Is shoring being used secure?			X
16.	Does plan include adequate safety factor for equipment being used?	X		
17.	Is traffic adequately away from trenching operation?	X		
18.	Are barricades up and secure?	X		
19.	Are there trees, boulders or other hazards in area?		X	
20.	Is vibration from equipment or traffic to close to trenching operation?		X	
21.	Are trench box(s) certified?			X
22.	Are GFCIs used on ALL temporary electrical cords?			X
23.	Is access and egress located within 25 feet of entrants?	X		
24.	Is hazardous testing done on a regular basis?	X		
25.	Has rescue procedure been established and is equipment immediately available?	X		

URS	Health and Safety Program **DAILY EXCAVATION / TRENCH INSPECTION REPORT**	Attachment 13-4 Revision 2: March 2005

Competent Person:	[illegible]	Date:	5-24-07
Project Name:	CMI Removal Action	Weather Conditions:	Clear, High 70s NNE wind 5-10 mph
Projection Location:	Site SD-11 Cannon AFB	Rainfall Amounts 24 Hours Previous:	None

"I hereby attest that the following conditions existed and that the following items were checked or reviewed during this inspection".

Check Yes, No or N/A for Not Applicable. If comment is required, circle the number and see Page 2.

		Yes	No	N/A
1.	Are barricades or covers in place and in good condition?			X
2.	Have tension cracks been observed along the top on any slopes?		X	
3.	Is excavated material at least 2' from the edge of the excavation?	X		
4.	Are slopes cut at design angle of repose?			X
5.	Is any water seepage noted in trench walls or bottom?		X	
6.	Are pumps in place or available if needed?			X
7.	Is bracing system installed in accordance with design?			X
8.	Is there evidence of significant fracture planes in soil or rock?		X	
9.	Is there any evidence of caving or sloughing of soil since the last inspection?		X	
10.	Are there any zones of unusually weak soils or materials not anticipated?		X	
11.	Are there any noted dramatic dips or bedrock?		X	
12.	Are all short-term trench(s) covered within 24 hours?			X
13.	Have non-compliance items been photographed?	X		
14.	Are hydraulic shores pumped to design pressure?			X
15.	Is shoring being used secure?			X
16.	Does plan include adequate safety factor for equipment being used?	X		
17.	Is traffic adequately away from trenching operation?			X
18.	Are barricades up and secure?	X		
19.	Are there trees, boulders or other hazards in area?		X	
20.	Is vibration from equipment or traffic to close to trenching operation?		X	
21.	Are trench box(s) certified?			X
22.	Are GFCIs used on ALL temporary electrical cords?			X
23.	Is access and egress located within 25 feet of entrants?	X		
24.	Is hazardous testing done on a regular basis?		X	
25.	Has rescue procedure been established and is equipment immediately available?	X		

URS	Health and Safety Program **DAILY EXCAVATION / TRENCH INSPECTION REPORT**	Attachment 13-4 Revision 2: March 2005

Comments: Place question number in front of applicable comment.

1,4,17	Excavation complete, starting to backfill.

Please print or type.
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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: na

Manifest Doc. No.: 1

2. Page 1 of 1

Generator's Name and Mailing Address

CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal

6. US EPA ID Number: NA

A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA

8. US EPA ID Number: NA

B. Transporter's Phone: NA

9. Designated Facility Name and Site Address: DP619- 8 miles south of Hobbs on Hwy 18 Lea County

10. US EPA ID Number: NA

C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Non- Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information

Cell #1

#5 Address: PO Box 2491
Hobbs, NM 88241

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: KRISTI L. DOLL — Signature: [signature] — Month 05 Day 22 Year 07

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Alejandro Mendoza — Signature: [signature] — Month 5 Day 22 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Tim Hawley — Signature: [signature] — Month 5 Day 22 Year 07

GENERATOR — TRANSPORTER — FACILITY

Printed by J. J. KELLER & ASSOCIATES, INC. Menasha, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

Please print or type
(Form designed for use on 12 pitch typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 2
2. Page 1 of 1

Generator's Name and Mailing Address
CAFB
506 N. Ingram Blvd
CAFB, NM 88103

2330 27th CMS
Flight Propulsion cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address: DP619- 8 miles south of Hobbs on Hwy 18 Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above: Non- Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 Adress: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: KRISTI L. DOLL
Signature: Kristi L Doll
Month 05 Day 22 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Benito Gonzalez
Signature: Benito Gonzalez
Month 5 Day 22 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month 5 Day 22 Year 07

Printed by J.J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 3
2. Page 1 of 1

GENERATOR

Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd
CAFB, NM 88103

2330 27th CMS
Flight Propulsion cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
hobbs on hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above
Non- Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 88241

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Kristi L Doll
Signature: Kristi Doll
Month Day Year: 05 22 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Hugo Chavez
Signature: Hugo Chavez
Month Day Year: 05 22 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month Day Year: 5 22 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA

Manifest Doc. No.: 4

2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal

6. US EPA ID Number: NA

A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA

8. US EPA ID Number: NA

B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619: 8 miles south of
Hobbs on Hwy 18 Lea County

10. US EPA ID Number: NA

C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbom impacted soils	1	belly	20	cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non- Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: KRISTI L DOLL
Signature: Kristi Doll
Month 05 Day 22 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAMES GUSZMAN JR
Signature: JAMES GUSZMAN JR
Month 05 Day 22 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month 05 Day 22 Year 07

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 5
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Dp619: 8 miles south of
Hobbs,NM on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above
Non- Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTI L. DOLL
Signature: [signature]
Month 05 Day 22 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAIME QUEZADA
Signature: JAIME QUEZADA
Month 5 Day 22 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: J
Signature:
Month Day Year

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: [signature]
Month 5 Day 22 Year 07

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 6
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above
Non- Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTI L. DOLL
Signature: Kristi Doll
Month Day Year: 05 22 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RAMON MEDIANO
Signature: Ramon Mediano
Month Day Year: 5 22 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month Day Year: 5 22 07

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 7
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8miles south of
Hobbs, NM on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTI L. DOLL
Signature: Kristi Doll
Month Day Year: 05 22 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Benito Gonzalez
Signature: Benito Gonzalez
Month Day Year: 5 22 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month Day Year: 5 22 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 8
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL INGRAM BLVD.
CAFB, NM 88103

2330 27TH CMS
FLIGHT PROPULSION CELL
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above
Cell #1
~~#5 Address: PO Box 2491 Hobbs, NM 88241~~

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Non- Hazardous

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTI L DOLL
Signature: [signature]
Month Day Year: 05 22 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Hugo chavez
Signature: [signature]
Month Day Year: 05 22 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: H
Signature:
Month Day Year:

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM HAWLEY
Signature: [signature]
Month Day Year: 5 22 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 9
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

4. Generator's Phone: 2330 27th CMS Flight Propulsion Cell SD-11

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address: DP619- 8 miles south of Hobbs on Hwy 18 Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information

Cell #1

#5 Address PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: KRISTI L DOLL
Signature: Kristi L Doll
Month 05 Day 22 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JAIME QUEZADA
Signature: JAIME QUEZADA
Month 5 Day 22 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month 5 Day 22 Year 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 10
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address: DP619- 8 miles south of Hobbs on Hwy 18 Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted soils	1	belly	20	cy
b.				
c.				
d.				

. Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTI L. DOLL
Signature: [signature]
Month Day Year: 05 22 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAIME QUERNOLK
Signature: [signature]
Month Day Year: 05 22 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM HAWLEY
Signature: [signature]
Month Day Year: 5 22 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 11
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondabck Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (5050 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

GENERATOR

D. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1
#5:address: PO Box 2491 Hobbs, NM 88241

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: KRISTI L. DOLL
Signature: Kristi Doll
Month 05 Day 22 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Alejandro Mendoza
Signature:
Month 05 Day 22 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACI

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: JIM HAWLEY
Signature: Jim Hawley
Month 5 Day 22 Year 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 11
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD_11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: NA

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	Belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTY L. DOLL
Signature: Kristy Doll
Month 05 Day 22 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Hugo Chaver
Signature: Hugo Chaver
Month 05 Day 23 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM Hawley
Signature: Jim Hawley
Month 05 Day 23 Year 07

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 12
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south on
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description: Hydrocarbon Impacred Soils

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted soils	1	belly	20	cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 88241

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTI L. DOU
Signature: Kristi Dou
Month Day Year: 05 22 07

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Alejandro Mendoza
Signature: Mendoza
Month Day Year: 5 23 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM HAWLEY
Signature: Jim Hawley
Month Day Year: 5 23 07

GENERATOR
TRANSPORTER
FACIL

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 12
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondabck Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address : PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTI L. DOLL
Signature: Kristi Doll
Month Day Year: 05 22 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RAMON MODIANO
Signature: Ramon Modiano
Month Day Year: 5 23 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month Day Year: 5 23 07

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 13
2. Page 1 of 1

Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address: DP619- 8miles south of Hobbs, NM on Hwy 18 Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soil	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Addess: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTT L DOLL
Signature: [signature]
Month 05 Day 22 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAIME QUEZADA JR
Signature: [signature]
Month 05 Day 22 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM HAWLEY
Signature: [signature]
Month 5 Day 23 Year 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 14
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL INgram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address: DP619- 8 miles south of HObbs on Hwy 18- Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted soil	1	belly	20	cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1 #5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTI L. DOLL
Signature: Kristi Doll
Month Day Year: 05 22 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Benito Gonzalez
Signature: Benito Gonzalez
Month Day Year: 5 23 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM HAWLEY
Signature: Jim Hawley
Month Day Year: 5 23 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 15
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondabck Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8miles southof
Hobbs on Hy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	cell	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above
Non-Hazardous
Non-Hazardops

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTI L. DOU
Signature: Kristi L Dou
Month 05 Day 22 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eleazar B Pando
Signature: Eleazar B Pando
Month 5 Day 23 Year 07

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month 5 Day 23 Year 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 16
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505)392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs,on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hyrdrocarbon impacted soils	1	bell	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTY L. DOLL
Signature: Kristy Doll
Month Day Year: 05 22 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RAMON MAGDIANO
Signature: Ramon Magdiano
Month Day Year: 5 26 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM HAWLEY
Signature: Jim Hawley
Month Day Year: 5 23 07

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 17
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
Sd 11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soil	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above
~~Non-Hazardous~~ NON-Hazardous
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1
#5Address: PO BOx 2491 HObbs, NM88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: KRISTI L. DOLL
Signature: Kristi L Doll
Month 05 Day 23 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAIME QUEZADA
Signature: JAIME QUEZADA
Month 05 Day 23 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month 05 Day 23 Year 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 18
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619-8 miles south
of Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hyrdocarbon Impacted Soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 Address: PO BOx 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi L. Doll
Month 05 Day 23 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Hugo Chávez
Signature: Hugo Chávez
Month 05 Day 23 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month 05 Day 23 Year 07

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 19
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619-8 miles south of H
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted soils	1	belly	20	cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: [signature]
Month Day Year: 05 25 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Alejandro Mendoza
Signature: [signature]
Month Day Year: 5 23 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: [signature]
Month Day Year: 5 23 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 20
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL INgram Blvd.
Cafb, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505)392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

J. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi L Doll
Month 05 Day 23 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jaime Quezada Jr
Signature: Jaime Quezada Jr
Month 05 Day 23 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month 5 Day 23 Year 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 21
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback DIsposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address: DP619- 8 miles south of Hobbs on Hwy 18 Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydricarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 Address: PO Box 2491 Hobbs, NM 88241

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Kristi L. Doll
Signature: Kristi Doll
Month 05 Day 23 Year 07

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Benito Gonzalez
Signature: Benito Gonzalez
Month 5 Day 23 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month 5 Day 23 Year 07

GENERATOR
TRANSPORTER
FACILITY

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 22
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram
CAFB, NM 88103
2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi Doll
Month Day Year: 05 23 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eleazar B. Pando
Signature: Eleazar B. Pando
Month Day Year: 5 23 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month Day Year: 5 23 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 23
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

I. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Kristi L. Doll
Signature: Kristi L. Doll
Month 05 Day 23 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ramon Medina
Signature: Ramon Medina
Month 5 Day 24 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: JIM HAWKEY
Signature: Jim Hawkey
Month 5 Day 24 Year 07

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 24
2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address
CAFB
506 N. Dl Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs, NM on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9966

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 Address: PO Box 2491 Hobbs, NM 88241

TRANSPORTER

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi L. Doll
Month 05 Day 23 Year 07

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Victor Nastera
Signature:
Month 5 Day 24 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM Hawley
Signature: Jim Hawley
Month 5 Day 24 Year 07

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 25
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL INgram Blvd.
8 2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619-8 miles south of
Hobbs on Hwy 18
LEa COunty
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Diamondback address: PO Box 2491 Hobbs,88241

Cell #1

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi Doll
Month 05 Day 23 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Alejandro Mendoza
Signature: [illegible]
Month 05 Day 24 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM Hawley
Signature: Jim Hawley
Month 5 Day 24 Year 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 26
2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2203 27th CMS
Flight Propulsion Cell
SD_11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondabck Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soils	1	belly	20	cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 Address: PO Box 2491 Hobbs, NM 88241

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Kristi L. Doll
Signature: Kristi L. Doll
Month 05 Day 23 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eleazar B. Pando
Signature: Eleazar B. Pando
Month 5 Day 24 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: JIM HAWLEY
Signature: Jim Hawley
Month 5 Day 24 Year 07

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 27
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south
of Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

J. Additional Descriptions for Materials Listed Above
Non_HAzardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi Doll
Month 05 Day 23 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Hugo Chavez
Signature: Hugo Chavez
Month 05 Day 24 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM Hawley
Signature: Jim Hawley
Month 05 Day 24 Year 07

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 28
2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address
CAFB
506 N. Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 Address: PO Box 2491 Hobbs, NM 88241

TRANSPORTER

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi Doll
Month 05 Day 23 Year 07

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Benito Gonzalez
Signature: Benito Gonzalez
Month 5 Day 24 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month 5 Day 24 Year 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 29
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505)392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619-8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi L. Doll
Month Day Year: 05 23 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAIME QUEZADA
Signature: JAIME QUEZADA
Month Day Year: 5 24 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM HAWLEY
Signature: Jim Hawley
Month Day Year: 5 24 07

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 30
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
Sd-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs, NM on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi Doll
Month Day Year: 05 23 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: TRINI BURROLA
Signature: Trini Burrola
Month Day Year: 5 24 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM HAWLEY
Signature: Jim Hawley
Month Day Year: 5 24 07

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 31
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
Cafb, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback DIspsoal
6. US EPA ID Number: NA
A. Transporter's Phone: (5050 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619 8 miles south
of Hobbs on Hwy 18
Lea COunty
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1

$ #5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi L. Doll
Month Day Year: 10 5 24 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAIME QUECADA JR
Signature: JAIME QUECADA JR
Month Day Year: 10 5 24 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month Day Year: 15 04 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 32
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propul;sion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposall
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impactedm soils	1	belly	20	cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
~~Kristi L. Doll~~
Cell #1
#5 Address: PO BOx 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. DOll
Signature: Kristi L Doll
Month Day Year: 05 24 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RAMON MEDIANO
Signature: RAMON MEDIANO
Month Day Year: 5 24 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM HAWKEY
Signature: Jim Hawkey
Month Day Year: 5 24 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 33
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103
2330 27thCMS
Flight Propulsion cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi L Doll
Month Day Year: 05 24 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eleazar B. Lando
Signature: Eleazar B. Lando
Month Day Year: 5 24 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Hawley
Signature: Jim Hawley
Month Day Year: 5 24 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 34
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD_11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

J. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Kristi L. Doll
Signature: Kristi Doll
Month Day Year: 05 24 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Hugo Chaver
Signature: Hugo Chaver
Month Day Year: 05 24 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month Day Year:

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: JIM Hawley
Signature: Jim Hawley
Month Day Year: 05 24 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 35
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL INgram
CAFB, NM 88103
2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Dispoal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619- 8 miles south f
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO bOx 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi Doll
Month Day Year: 05 24 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Victor Najera.
Signature:
Month Day Year: 5 24 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACIL

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM Hawley
Signature: Jim Hawley
Month Day Year: 5 24 07

Printed by J.J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 36
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N DL INgram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback DIsposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted Soils	1	belly	20	cy
b.				
c.				
d.				

I. Additional Descriptions for Materials Listed Above
Non-HAzardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi L. Doll
Month 05 Day 24 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jaime Quezada Jr
Signature: Jaime Quezada Jr
Month 05 Day 25 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACI

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Justin Roberts
Signature:
Month 05 Day 25 Year 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type.
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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 37
2. Page 1 of 1

3. Generator's Name and Mailing Address
CAFB
506 N. DL INgram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619 8 miles south of
Hobbs, onHwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi L Doll
Month 05 Day 24 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Benito Gonzalez
Signature: Benito Gonzalez
Month 05 Day 25 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Justin Roberts
Signature: Justin
Month 05 Day 25 Year 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 38
2. Page 1 of

3. Generator's Name and Mailing Address
CAFB
506 N. DL Ingtam Blvd.
CAFB, NM 88103

2330 27 th CMS
Flight Propulsion Cell
SD_11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
DP619 8 miles south of
Hobbs on Hwy 18
Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous

E. Handling Codes for Wastes Listed Above
NA

15. Special Handling Instructions and Additional Information
Cell #1
#5 Address: PO Box 2491 Hobbs, NM 888241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Kristi L. Doll
Signature: Kristi L. Doll
Month 05 Day 24 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAIME QUEZADA
Signature: JAIME QUEZADA
Month 05 Day 25 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Justin Roberts
Signature:
Month 05 Day 25 Year 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 39
2. Page 1 of 1

Generator's Name and Mailing Address
CAFB
506 N. DL Ingram Blvd.
CAFB, NM 88103

2330 27th CMS
Flight Propulsion Cell
SD-11

4. Generator's Phone ( )

5. Transporter 1 Company Name: Diamondback Disposal
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 392-9996

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address: DP619 8 miles south of Hobbs on Hwy 18 Lea County
10. US EPA ID Number: NA
C. Facility's Phone: (505) 392-9996

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon impacted soils	1	belly	20	Cy
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Non-Hazardous

E. Handling Codes for Wastes Listed Above: NA

15. Special Handling Instructions and Additional Information
Cell #1

#5 Address: PO Box 2491 Hobbs, NM 88241

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Kristi L. Doll
Signature: Kristi L. Doll
Month 05 Day 24 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eleazar B. Pando
Signature: Eleazar B. Pando
Month 5 Day 25 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Justin Roberts
Signature:
Month 05 Day 25 Year 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Dp619 Landfarm from Diamondback Disposal

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property, under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street) (City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 Cy		
	Tom Ledbetter (UPS)			

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, **"TO BE PREPAID."**

Received $_____ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____

(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

STRAIGHT BILL OF LADING—SHORT FORM—Original—Not Negotiable

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier _____

at DP619 Landfarm **20**07 **from** Diamondabck Disposal

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Diamondback Disposal Services PO Box 2491 Hobbs, NM 88241
(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Flight Propulsion Cell CAFB State NM Zip Code 88103 County Curr

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	Tony LeBlanc (URS)			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are **PREPAID** unless marked collect.

CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is "carrier's or shipper's weight."
NOTE - Where the rate is dependent on value shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

per

STRAIGHT BILL OF LADING—SHORT FORM—Original—Not Negotiable

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier _____

at DP619 Landfarm **2007** **from** Diamondback Disposal

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Diamondback Diposal Services PO Box 2491 Hobbs, NM 88241
(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Flight Propulsion Cell CAFB State NM Zip Code 88103 County Curry

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Subject to Corr.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	Tony Lethech (VRS)			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are **PREPAID** unless marked collect.

CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is "carrier's or shipper's weight."
NOTE - Where the rate is dependent on value shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

per

UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at DP619 Landfarm from Diamondback Disposal

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street) (City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	(UPS) (UPS) Tony Ledesch (UPS)			

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, **"TO BE PREPAID."**

Received $_____ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per_____

(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

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(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Disposal Services, Inc.

Destination ~~2330 Propulsion Flight Cell CA~~ (Street) ~~Stb~~ (City) State of NM Zip Code _____ County of Curry

Routing _____ Delivering Carrier Diamondback Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	Tony Ledbetter (CRS)			

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UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

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at DP619 Landfarm from Diamondback Disposal

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(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street / City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	Tony Ledbetter (UPS)			

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UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

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at DP619 Landfarm from Diamondback Dispsoal

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(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street) State of NM Zip Code 88103 County of Curry (City)

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	Tony Ledbetter (UES)			

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Agent or Cashier

Per _____

(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

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(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street / City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	~~29~~ 20 cy		
	Tony Ledbetter (URS)			

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Agent or Cashier

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UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

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(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Disosal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street) State of NM Zip Code 88103 County of Curry (City)

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	Tony Ladwick (CNS)			

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

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Agent or Cashier

Per _____

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UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

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(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell CAFB (Street / City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier Diamondback Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	Tony Sedlacek (ves)			

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C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

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Agent or Cashier

Per_____

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Charges Advanced:

UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

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(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Dispsoal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street) State of NM Zip Code 88103 County of Curry (City)

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ and remit to: _____

_____ Street _____ City _____ State

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	Tony Sedlacek (CURS)			

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UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

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Carrier

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Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street / City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		

Tommy Ladlaw (UPS)

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UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

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Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street / City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	~~29~~ 20 cy		

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Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Propulsion Flight Cell (Street / City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		

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UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

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Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street) (City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

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	Clean Fill	20 Cy		

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*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent

UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at DP 619 Landfarm from Diamondback Disposal

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee – For purposes of notification only.)

Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street / City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, **"TO BE PREPAID."**

Received $_____ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per_____
(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at DP619 Landfarm from Diamondback Disposal

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Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street / City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		

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UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at DP619 Landfarm from Diamondabck Disposal

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(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Disposal Services, Inc

Destination 2330 Flight Propulsion Cell (Street) State of NM (City) Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	VRS			

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Agent or Cashier

Per _____

(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at DP619 Landfarm from Diamondback Dispsoal

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(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Disposal Srevices, Inc.

Destination 2330 Flight Propulsion Cell (Street) (City) State of NM Zip Code 88103 County of

Routing Delivering Carrier Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	~~25~~ 20 cy		
	URS			

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Agent or Cashier

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Charges Advanced:

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Shipper's #

Carrier

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Destination 2330 Flight Propulsion Cell (Street) (City) State of NM Zip Code 88103 County of Curry

Routing Delivering Carrier Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		

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Charges Advanced:

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Shipper's #

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Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street / City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	CLean Fill	20 cy		

URS

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Charges Advanced:

UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

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Consigned to Diamondback Dispodal Servcies, Inc.

Destination 2330 Flight Propulsion Cell (Street / City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

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	Clean Fill	20 cy		
	URS			

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UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

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(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street) (City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	URS			

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Charges Advanced:

UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

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at Dp619 Landfarm from Diamondback Disposal

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Consigned to Diamondback Disposal Services, Inc.

Destination 2330 FLight Propulsion Cell (Street / City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		

CRS.

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Agent or Cashier

Per _____
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Charges Advanced:

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UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

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(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondabck Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street) State of NM Zip Code 88103 County of Curry (City)

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean ~~D~~ Fill	20 cy		

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Agent or Cashier

Per _____
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Charges Advanced:

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UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Miler Marker 8.5 Hwy 467 from Curry County Caliche

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee—For purposes of notification only.)

Consigned to Diamondback Disposal Services, Inc.
2330 FLight Propulsion Cell CAFB

Destination _____ (Street) _____ (City) State of NM Zip Code 88103 County of Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	CLean Fill	20cy		
	Tony Sellach (CRS)			

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Agent or Cashier

Per _____
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Charges Advanced:

UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's #

Carrier

Agent's No.

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Consigned to Diamondback Disposal Services, Inc.

Destination 2330 Flight Propulsion Cell (Street) (City) State of NM Zip Code 88103 County Curry

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ **and remit to:** _____

_____ **Street** _____ **City** _____ **State**

C. O. D. charge to be paid by { **Shipper** ☐ **Consignee** ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	Tony Sedlacek (ves)			

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Charges Advanced:

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STRAIGHT BILL OF LADING—SHORT FORM—Original—Not Negotiable

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier _____

at Mile Marker 8.5 Hwy 467 **20** 7 **from** Curry County Caliche

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to ~~Diamondback Disposal Services PO Box 2491 Hobbs, NM 88241~~
(Mail or street address of consignee—For purposes of notification only.)

Destination ~~2330 Flight Propulsion cell CAFB~~ State ~~NM~~ Zip Code 88103 County Curry

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 Cy		
	Tony Sedlacek (UCS)			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are **PREPAID** unless marked collect.

CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is "carrier's or shipper's weight."
NOTE - Where the rate is dependent on value shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

STRAIGHT BILL OF LADING—SHORT FORM—Original—Not Negotiable

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier

at Mile Marker 8.5 Hwy 467 **20**07 **from** Curry County Caliche

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(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Flight Propulsion Cell Cafb State NM Zip Code 88103 County Curry

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Clean Fill	20 cy		
	Tony Sedlacek (VRS)			

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Carrier's Code (SCAC) _____

Carrier

at MIle MArker 8.5 Hwy 467 **20** 07 **from** Curry County Caliche

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(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Flight Propulsion Cell State NM Zip Code 88103 County Curry

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Sedlacek (URS)			

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at Mile Marker 8.5 Hwy 467 **20**07 **from** Curry CounTY Caliche

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(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Flight Propulsion Cell CAFB State NM Zip Code 88103 County Curry

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Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Ledbetter (WES)			

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Destination ~~2330 Flight Propulsion Cell~~ State NM Zip Code 88103 County ~~Curry~~

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(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	~~Engineered Fill~~	~~20 cy~~		
	Tony Rodriguez (CRS)			

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Carrier

at Mile MArker 8.5 Hwy 467 **2007** **from** Curry County Caliche

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(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill ~~20~~	20 cy		
	Tony Ledbetter (UPS)			

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Carrier

at Mile MArker 8.5 Hwy 467 **20**07 **from** Curry County Caliche

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No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered ~~Cell~~ Fill	20 cy		
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at Mile Marker 8.5 Hwy 467 **2007** **from** Curry County Caliche

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at Mile Marker 8.5 Hwy 467 **20**07 **from** Curry County Caliche

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Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 Cy		
	Tom Sedlacek CVRS			

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at Mile Marker 8.5 Hwy 467 2007 **from** Curry County Caliche

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Consigned to Diamondback Dispsoal Services, Inc.

(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Flight Propulsion Cell CAFB State NM Zip Code 88103 County Curry

Delivery Address ★ _____

(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier Car or Vehicle Initials No.

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Ledbetter (NRS)			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are **PREPAID** unless marked collect.

CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is "carrier's or shipper's weight."
NOTE - Where the rate is dependent on value shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

STRAIGHT BILL OF LADING—SHORT FORM—Original—Not Negotiable

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier

at Mile Marker 8.5 Hwy 467 **20** 07 **from** Cury County Caliche

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Diamondback Disposal Services, Inc.PO Box 2491 Hobbs, NM 88241
(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Flight Propulsion Cell CAFB State NM Zip Code 88103 County Curry

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Sedlacek (vrs			

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier

at MIle MArker 8.5 Hwy 467 **20** 07 **from** Curry County Caliche

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

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Consigned to Diaoondback Disposal Services, iNc. PO bOx 2491 Hobbs, NM 88241
(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Filght Propulsion Cel CAFB State NM Zip Code 88103 County Curry

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Ledbank (ves)			

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier

at Mile Marker 8.5 Hwy 467 **20**07 **from** Curry County Caliche

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

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Consigned to Diamondback Dispsoal Services PO Box 2491 Hobbs, NM 88241
(Mail or street address of consignee—For purposes of notification only.)

Destination ~~2330 Flight Propulsion Cell CAFB~~ State ~~NM~~ Zip Code ~~88103~~ County ~~Curry~~

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill			
		20 cy		
	Tony Sedlacek (CRS)			

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RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier

at Mile MArker 8.5 Hwy 467 **2007** **from** Curry County Caliche

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

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Consigned to Diamondback Disposal Services PO Boc 2491 Hobbs, NM 88241
(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Flight Propulsion Cell CAFB State NM Zip Code 88103 County Curry

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Sedlacek (NRS)			

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier

at Mile Marker 8.5 Hwy 467 **20**07 **from** Curry County Caliche

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

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Consigned to Diamondback Disposal Services PO Box 2491 Hobbs, NM 88241
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Destination ~~2330 Flight Propulsion Cell CAFB~~ State ~~NM~~ Zip Code ~~88103~~ County ~~Curry~~

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Sedlacek (ives)			

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Paine Duncan

STRAIGHT BILL OF LADING—SHORT FORM—Original—Not Negotiable

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier _____

at Mile MArker 8.5 Hwy 467 **20**07 **from** Curry County Caliche

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Consigned to ~~Diamondback Disposal Services PO Box 2491 Hobbs, NM 88241~~
(Mail or street address of consignee—For purposes of notification only.)

Destination ~~2330 Flight Propulsion Cell CAFB~~ State ~~NM~~ Zip Code ~~88103~~ County ~~Curry~~

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Sedlacek (URS)			

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Tajuc Duncan

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier

at Mile Marker 8.5 Hwy 467 **20** 07 **from** Curry County Caliche

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Consigned to ~~Diamondback Disposal PO Box 2491 Hobbs, NM 88241~~
(Mail or street address of consignee—For purposes of notification only.)

Destination ~~2330 Flight Propulsion Cell CAFB~~ State ~~NM~~ Zip Code ~~88103~~ County ~~Curry~~

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Lollback (CRS)			

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier

at Mile Marker 8.5 Hwy 467 207 **from** Curry County Caliche

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

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(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Flight Propulsion Cell CAFB State NM Zip Code 88103 County Curry

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Sedlacek (VRS)			

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier

at Mile Marker 8.5 Hwy 467 2007 **from** Curry County Caliche

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Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Sedlacek (UNS)			

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The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

STRAIGHT BILL OF LADING—SHORT FORM—Original—Not Negotiable

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Carrier

at Mile Marker 8.5 Hwy 467 **20**07 **from** Curry County Caliche

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Diamondback Dissposal Services, Inc. PO Box 2491 Hobbs, NM 88241
(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Flight Propulsion Cell CAFB State NM Zip Code 88103 County Curry

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Ledbetter (VRS)			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are **PREPAID** unless marked collect.

CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

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Carrier

at Mile MArker 8.5Hwy 467 **20**07 **from** Curry County Caliche

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Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Sedlacek (URS)			

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(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Sedlacek (yes)			

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Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

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	Engineered Fill	20 cy		
	Tony Ledbetter (VRS)			

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(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Flght Propulsion Cell State NM Zip Code 88103 County ~~Curry~~

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Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Ledbetter (UPS)			

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Carrier

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	Tony Sedlacek (VES)			

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THIS [illegible]

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Carrier _____

at MIle Marker 8.5 Hwy 467 **20** 07 **from** Curry County Caliche

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Diamondback Disposal Services PO Box 2491 Hobbs NM 88241
(Mail or street address of consignee—For purposes of notification only.)

Destination 2330 Flight Propulsion Cell CAFB State NMM Zip Code 88103 County Curry

Delivery Address ★ _____
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages		*Weight (Sub. to Cor.)	Class or Rate	Check Column
	Engineered Fill	20 cy		
	Tony Sedlacek (VRS)			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are **PREPAID** unless marked collect.

CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is "carrier's or shipper's weight."
NOTE - Where the rate is dependent on value shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

ASSAIGAI ANALYTICAL LABORATORIES, INC.
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

Explanation of codes	
B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

DIAMONDBACK DISPOSAL SERVICES
attn: **JUSTIN ROBERTS**
P O BOX 2491
HOBBS NM 88241

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **DIAMONDBACK DISPOSAL SERVICES**
Project: **CURRY COUNTY CALICHE**
Order: **0705762** **DDS01** Receipt: **05-23-07**

William P. Blaver, President of Assaigai Analytical Laboratories, Inc.

Sample: ***CURRY COUNTY CALICHE*** Collected: *05-22-07 14:00:00* By: *JR*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0705762-0001A		**SW846 3050B/6010B ICP**					By: AZC			
M07554	MT.2007.903.23	7440-38-2	Arsenic	47.3	mg/kg	10	0.25		05-24-07	05-26-07
M07554	MT.2007.892.52	7440-39-3	Barium	358	mg/kg	500	0.15		05-24-07	05-24-07
M07554	MT.2007.892.47	7440-43-9	Cadmium	ND	mg/kg	10	0.25		05-24-07	05-24-07
M07554	MT.2007.903.23	7440-47-3	Chromium	3.50	mg/kg	10	0.1		05-24-07	05-25-07
M07554	MT.2007.903.23	7439-92-1	Lead	ND	mg/kg	10	0.25		05-24-07	05-25-07
M07554	MT.2007.903.23	7782-49-2	Selenium	59.6	mg/kg	10	0.5		05-24-07	05-25-07
M07554	MT.2007.892.47	7440-22-4	Silver	ND	mg/kg	10	0.25		05-24-07	05-24-07
0705762-0001A		**SW846 3550B/8081A Pesticides by GC/ECD**					By: NJL			
S07289	XG.2007.743.7	319-84-6	a-BHC	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	5103-71-9	a-Chlordane	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	309-00-2	Aldrin	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	319-85-7	b-BHC	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	57-74-9	Chlordane, total	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07289	XG.2007.743.7	319-86-8	d-BHC	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	60-57-1	Dieldrin	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	959-98-8	Endosulfan I	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	33213-65-9	Endosulfan II	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	1031-07-8	Endosulfan Sulfate	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	72-20-8	Endrin	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	7421-93-4	Endrin Aldehyde	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	53494-70-5	Endrin Ketone	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	58-89-9	g-BHC	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	5103-74-2	g-Chlordane	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	76-44-8	Heptachlor	ND	mg/Kg	1	0.01		05-24-07	05-24-07

Report Date: 6/30/2007 9:03:45 AM

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STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

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Client: **DIAMONDBACK DISPOSAL SERVICES**
Project: **CURRY COUNTY CALICHE**
Order: **0705762** **DDS01** Receipt: **05-23-07**

Sample: ***CURRY COUNTY CALICHE*** Collected: *05-22-07 14:00:00* By: *JR*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0705762-0001A		**SW846 3550B/8081A Pesticides by GC/ECD**					By:	NJL		
S07289	XG.2007.743.7	1024-57-3	Heptachlor Epoxide	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	72-43-5	Methoxychlor	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	6088-51-3	p,p-DDD	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	72-55-9	p,p-DDE	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	50-29-3	p,p-DDT	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.7	8001-35-2	Toxaphene, total	ND	mg/Kg	1	0.05		05-24-07	05-24-07
0705762-0001A		**SW846 3550B/8082 PCBs by GC/ECD**					By:	NJL		
S07288	XG.2007.748.11	12674-11-2	Aroclor 1016	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07288	XG.2007.748.11	11104-28-2	Aroclor 1221	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07288	XG.2007.748.11	11141-16-5	Aroclor 1232	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07288	XG.2007.748.11	53469-21-9	Aroclor 1242	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07288	XG.2007.748.11	12672-29-6	Aroclor 1248	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07288	XG.2007.748.11	11097-69-1	Aroclor 1254	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07288	XG.2007.748.11	11096-82-5	Aroclor 1260	ND	mg/Kg	1	0.05		05-24-07	05-24-07
0705762-0001A		**SW846 5035B/8260B Purgeable VOCs by GC/MS**					By:	EJB		
V07298	XG.2007.742.8	630-20-6	1,1,1,2-Tetrachloroethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	71-55-6	1,1,1-Trichloroethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	79-34-5	1,1,2,2-Tetrachloroethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	79-00-5	1,1,2-Trichloroethane	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	75-34-3	1,1-Dichloroethane	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	75-35-4	1,1-Dichloroethene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	96-18-4	1,2,3-Trichloropropane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	120-82-1	1,2,4-Trichlorobenzene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	95-63-6	1,2,4-Trimethylbenzene	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	96-12-8	1,2-Dibromo-3-chloropropane	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	106-93-4	1,2-Dibromoethane (EDB)	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	95-50-1	1,2-Dichlorobenzene	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	107-06-2	1,2-Dichloroethane (EDC)	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	78-87-5	1,2-Dichloropropane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	108-67-8	1,3,5-Trimethylbenzene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	541-73-1	1,3-Dichlorobenzene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	106-46-7	1,4-Dichlorobenzene	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	78-93-3	2-Butanone (MEK)	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	591-78-6	2-Hexanone (MBK)	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	108-10-1	4-Methyl-2-pentanone (MIBK)	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	67-64-1	Acetone	0.029	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	107-02-8	Acrolein	ND	mg/Kg	1	0.05		05-24-07	05-24-07
V07298	XG.2007.742.8	107-13-1	Acrylonitrile	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	71-43-2	Benzene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	74-97-5	Bromochloromethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	75-27-4	Bromodichloromethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	75-25-2	Bromoform	ND	mg/Kg	1	0.01		05-24-07	05-24-07

STANDAR

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Client: **DIAMONDBACK DISPOSAL SERVICES**
Project: **CURRY COUNTY CALICHE**
Order: **0705762** **DDS01** Receipt: **05-23-07**

Sample: ***CURRY COUNTY CALICHE*** Collected: *05-22-07 14:00:00* By: *JR*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0705762-0001A		**SW846 5035B/8260B Purgeable VOCs by GC/MS**					By: EJB			
V07298	XG.2007.742.8	74-83-9	Bromomethane	ND	mg/Kg	1	0.05		05-24-07	05-24-07
V07298	XG.2007.742.8	75-15-0	Carbon disulfide	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	56-23-5	Carbon tetrachloride	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	108-90-7	Chlorobenzene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	75-00-3	Chloroethane	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	67-66-3	Chloroform	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	74-87-3	Chloromethane	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	156-59-2	cis-1,2 dichloroethene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	10061-01-5	cis-1,3 Dichloropropene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	124-48-1	Dibromochloromethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	74-95-3	Dibromomethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	97-63-2	Ethyl methacrylate	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	76-13-1	Freon 113	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	75-71-8	Freon 12	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	1634-04-4	Methyl t-butyl ether (MTBE)	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	75-09-2	Methylene chloride	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	91-20-3	Naphthalene	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	95-47-6	o-Xylene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	108-38-3/106-42	p/m-Xylenes	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	100-42-5	Styrene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	156-60-5	t-1,2 Dichloroethene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	10061-02-6	t-1,3 Dichloropropene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	127-18-4	Tetrachloroethene (PCE)	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	108-88-3	Toluene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.8	764-41-0	trans-1,4-Dichloro-2-butene	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	79-01-6	Trichloroethene	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.8	75-69-4	Trichlorofluoromethane	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	108-05-4	Vinyl acetate	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.8	75-01-4	Vinyl chloride	ND	mg/Kg	1	0.01		05-24-07	05-24-07
0705762-0001A		**SW846 3550B/8270C SVOCs by GC/MS**					By: DS			
S07290	XG.2007.741.8	120-82-1	1,2,4-Trichlorobenzene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	95-50-1	1,2-Dichlorobenzene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	541-73-1	1,3-Dichlorobenzene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	106-46-7	1,4-Dichlorobenzene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	90-12-0	1-Methylnaphthalene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	58-90-2	2,3,4,6-Tetrachlorophenol	ND	mg/Kg	1	1.5		05-24-07	05-24-07
S07290	XG.2007.741.8	95-95-4	2,4,5-Trichlorophenol	ND	mg/Kg	1	0.3		05-24-07	05-24-07
S07290	XG.2007.741.8	88-06-2	2,4,6-Trichlorophenol	ND	mg/Kg	1	0.3		05-24-07	05-24-07
S07290	XG.2007.741.8	120-83-2	2,4-Dichlorophenol	ND	mg/Kg	1	0.3		05-24-07	05-24-07
S07290	XG.2007.741.8	105-67-9	2,4-Dimethylphenol	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	51-28-5	2,4-Dinitrophenol	ND	mg/Kg	1	0.67		05-24-07	05-24-07

Report Date: *5/30/2007 9:03:45 AM*

STANDARD

Assaigai Analytical Laboratories, Inc.

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Client: **DIAMONDBACK DISPOSAL SERVICES**
Project: **CURRY COUNTY CALICHE**
Order: **0705762** **DDS01** Receipt: **05-23-07**

Sample: ***CURRY COUNTY CALICHE*** Collected: *05-22-07 14:00:00* By: *JR*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0705762-0001A		**SW846 3550B/8270C SVOCs by GC/MS**					By:	DS		
S07290	XG.2007.741.8	206-44-0	Fluoranthene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	86737	Fluorene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	118-74-1	Hexachlorobenzene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	87-68-3	Hexachlorobutadiene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	77-47-4	Hexachlorocyclopentadiene	ND	mg/Kg	1	1.5		05-24-07	05-24-07
S07290	XG.2007.741.8	67-72-1	Hexachloroethane	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	193-39-5	Indeno(1,2,3-cd)pyrene	ND	mg/Kg	1	0.3		05-24-07	05-24-07
S07290	XG.2007.741.8	78-59-1	Isophorone	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	91-20-3	Naphthalene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	98-95-3	Nitrobenzene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	62-75-9	n-Nitroso-dimethyl-amine	ND	mg/Kg	1	0.3		05-24-07	05-24-07
S07290	XG.2007.741.8	621-64-7	n-Nitroso-di-n-propylamine	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	86-30-6	n-Nitrosodiphenylamine	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	87-86-5	Pentachlorophenol	ND	mg/Kg	1	1.3		05-24-07	05-24-07
S07290	XG.2007.741.8	85-01-8	Phenanthrene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	108-95-2	Phenol	ND	mg/Kg	1	0.3		05-24-07	05-24-07
S07290	XG.2007.741.8	129-00-0	Pyrene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.8	110-86-1	Pyridine	ND	mg/Kg	1	0.3		05-24-07	05-24-07
0705762-0001A		**SW846 7471B CVAA**					By:	DPA		
M07564	MT.2007.914.25	7439-97-6	Mercury	ND	ug/Kg	1	20		05-29-07	05-29-07

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

MEMO: The samples were received at 7.1 degrees Celsius.

ASSAIGAI ANALYTICAL LABORATORIES, INC.
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

Explanation of codes	
B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-S	See Footnote

DIAMONDBACK DISPOSAL SERVICES
attn: **JUSTIN ROBERTS**
P O BOX 2491
HOBBS NM 88241

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **DIAMONDBACK DISPOSAL SERVICES**
Project: **DIAMONDBACK CONFIRMATION**
Order: **0705760 DDS01** Receipt: **05-23-07**

William P. Beale: President of Assaigai Analytical Laboratories, Inc.

Sample: ***DIAMONDBACK CONFIRMATION*** Collected: *05-22-07 21:00:00* By: *JR*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0705760-0001A		**SW846 3050B/6010B ICP**					By: AZC			
M07554	MT.2007.903.28	7440-38-2	Arsenic	14.2	mg/kg	10	0.25		05-24-07	05-25-07
M07554	MT.2007.892.53	7440-39-3	Barium	17.5	mg/kg	10	0.15		05-24-07	05-24-07
M07554	MT.2007.892.53	7440-43-9	Cadmium 1	ND	mg/kg	10	0.25		05-24-07	05-24-07
M07554	MT.2007.903.28	7440-47-3	Chromium 5	2.82	mg/kg	10	0.1		05-24-07	05-25-07
M07554	MT.2007.903.28	7439-92-1	Lead 5	ND	mg/kg	10	0.25		05-24-07	05-25-07
M07554	MT.2007.903.28	7782-49-2	Selenium	7.30	mg/kg	10	0.5		05-24-07	05-25-07
M07554	MT.2007.892.53	7440-22-4	Silver	ND	mg/kg	10	0.25		05-24-07	05-24-07
0705760-0001A		**SW846 3550B/8081A Pesticides by GC/ECD**					By: NJL			
S07289	XG.2007.743.12	319-84-6	a-BHC	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	5103-71-9	a-Chlordane	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	309-00-2	Aldrin	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	319-85-7	b-BHC	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	57-74-9	Chlordane, total	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07289	XG.2007.743.12	319-86-8	d-BHC	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	60-57-1	Dieldrin	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	959-98-8	Endosulfan I	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	33213-65-9	Endosulfan II	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	1031-07-8	Endosulfan Sulfate	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	72-20-8	Endrin	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	7421-93-4	Endrin Aldehyde	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	53494-70-5	Endrin Ketone	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	58-89-9	g-BHC	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	5103-74-2	g-Chlordane	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	76-44-8	Heptachlor	ND	mg/Kg	1	0.01		05-24-07	05-24-07

Report Date: 5/30/2007 9:04:01 AM

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STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

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Client: **DIAMONDBACK DISPOSAL SERVICES**
Project: **DIAMONDBACK CONFIRMATION**
Order: **0705760 DDS01** Receipt: **05-23-07**

Sample: ***DIAMONDBACK CONFIRMATION*** Collected: *05-22-07 21:00:00* By: *JR*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0705760-0001A		**SW846 3550B/8081A Pesticides by GC/ECD**					By: NJL			
S07289	XG.2007.743.12	1024-57-3	Heptachlor Epoxide	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	72-43-5	Methoxychlor	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	6088-51-3	p,p-DDD	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	72-55-9	p,p-DDE	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	50-29-3	p,p-DDT	ND	mg/Kg	1	0.01		05-24-07	05-24-07
S07289	XG.2007.743.12	8001-35-2	Toxaphene, total	ND	mg/Kg	1	0.05		05-24-07	05-24-07
0705760-0001A		**SW846 3550B/8082 PCBs by GC/ECD**					By: NJL			
S07288	XG.2007.748.12	12674-11-2	Aroclor 1016	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07288	XG.2007.748.12	11104-28-2	Aroclor 1221	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07288	XG.2007.748.12	11141-16-5	Aroclor 1232	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07288	XG.2007.748.12	53469-21-9	Aroclor 1242	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07288	XG.2007.748.12	12672-29-6	Aroclor 1248	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07288	XG.2007.748.12	11097-69-1	Aroclor 1254	ND	mg/Kg	1	0.05		05-24-07	05-24-07
S07288	XG.2007.748.12	11096-82-5	Aroclor 1260	ND	mg/Kg	1	0.05		05-24-07	05-24-07
0705760-0001A		**SW846 5035B/8260B Purgeable VOCs by GC/MS**					By: EJB			
V07298	XG.2007.742.9	630-20-6	1,1,1,2-Tetrachloroethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	71-55-6	1,1,1-Trichloroethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	79-34-5	1,1,2,2-Tetrachloroethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	79-00-5	1,1,2-Trichloroethane	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	75-34-3	1,1-Dichloroethane	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	75-35-4	1,1-Dichloroethene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	96-18-4	1,2,3-Trichloropropane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	120-82-1	1,2,4-Trichlorobenzene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	95-63-6	1,2,4-Trimethylbenzene	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	96-12-8	1,2-Dibromo-3-chloropropane	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	106-93-4	1,2-Dibromoethane (EDB)	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	95-50-1	1,2-Dichlorobenzene	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	107-06-2	1,2-Dichloroethane (EDC)	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	78-87-5	1,2-Dichloropropane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	108-67-8	1,3,5-Trimethylbenzene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	541-73-1	1,3-Dichlorobenzene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	106-46-7	1,4-Dichlorobenzene	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	78-93-3	2-Butanone (MEK)	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	591-78-6	2-Hexanone (MBK)	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	108-10-1	4-Methyl-2-pentanone (MIBK)	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	67-64-1	Acetone	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	107-02-8	Acrolein	ND	mg/Kg	1	0.05		05-24-07	05-24-07
V07298	XG.2007.742.9	107-13-1	Acrylonitrile	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	71-43-2	Benzene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	74-97-5	Bromochloromethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	75-27-4	Bromodichloromethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	75-25-2	Bromoform	ND	mg/Kg	1	0.01		05-24-07	05-24-07

STANDARI

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

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Client: **DIAMONDBACK DISPOSAL SERVICES**
Project: **DIAMONDBACK CONFIRMATION**
Order: **0705760** **DDS01** Receipt: **05-23-07**

Sample: ***DIAMONDBACK CONFIRMATION*** Collected: *05-22-07 21:00:00* By: *JR*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0705760-0001A		**SW846 5035B/8260B Purgeable VOCs by GC/MS**					By:	EJB		
V07298	XG.2007.742.9	74-83-9	Bromomethane	ND	mg/Kg	1	0.05		05-24-07	05-24-07
V07298	XG.2007.742.9	75-15-0	Carbon disulfide	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	56-23-5	Carbon tetrachloride	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	108-90-7	Chlorobenzene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	75-00-3	Chloroethane	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	67-66-3	Chloroform	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	74-87-3	Chloromethane	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	156-59-2	cis-1,2 dichloroethene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	10061-01-5	cis-1,3 Dichloropropene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	124-48-1	Dibromochloromethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	74-95-3	Dibromomethane	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	97-63-2	Ethyl methacrylate	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	76-13-1	Freon 113	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	75-71-8	Freon 12	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	1634-04-4	Methyl t-butyl ether (MTBE)	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	75-09-2	Methylene chloride	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	91-20-3	Naphthalene	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	95-47-6	o-Xylene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	108-38-3/106-42	p/m-Xylenes	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	100-42-5	Styrene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	156-60-5	t-1,2 Dichloroethene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	10061-02-6	t-1,3 Dichloropropene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	127-18-4	Tetrachloroethene (PCE)	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	108-88-3	Toluene	ND	mg/Kg	1	0.005		05-24-07	05-24-07
V07298	XG.2007.742.9	764-41-0	trans-1,4-Dichloro-2-butene	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	79-01-6	Trichloroethene	ND	mg/Kg	1	0.01		05-24-07	05-24-07
V07298	XG.2007.742.9	75-69-4	Trichlorofluoromethane	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	108-05-4	Vinyl acetate	ND	mg/Kg	1	0.02		05-24-07	05-24-07
V07298	XG.2007.742.9	75-01-4	Vinyl chloride	ND	mg/Kg	1	0.01		05-24-07	05-24-07
0705760-0001A		**SW846 3550B/8270C SVOCs by GC/MS**					By:	DS		
S07290	XG.2007.741.5	120-82-1	1,2,4-Trichlorobenzene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	95-50-1	1,2-Dichlorobenzene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	541-73-1	1,3-Dichlorobenzene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	106-46-7	1,4-Dichlorobenzene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	90-12-0	1-Methylnaphthalene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	58-90-2	2,3,4,6-Tetrachlorophenol	ND	mg/Kg	1	1.5		05-24-07	05-24-07
S07290	XG.2007.741.5	95-95-4	2,4,5-Trichlorophenol	ND	mg/Kg	1	0.3		05-24-07	05-24-07
S07290	XG.2007.741.5	88-06-2	2,4,6-Trichlorophenol	ND	mg/Kg	1	0.3		05-24-07	05-24-07
S07290	XG.2007.741.5	120-83-2	2,4-Dichlorophenol	ND	mg/Kg	1	0.3		05-24-07	05-24-07
S07290	XG.2007.741.5	105-67-9	2,4-Dimethylphenol	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	51-28-5	2,4-Dinitrophenol	ND	mg/Kg	1	0.67		05-24-07	05-24-07

Report Date: *5/30/2007 9:04:02 AM*

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Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

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Client: **DIAMONDBACK DISPOSAL SERVICES**
Project: **DIAMONDBACK CONFIRMATION**
Order: **0705760** **DDS01** Receipt: **05-23-07**

Sample: ***DIAMONDBACK CONFIRMATION*** Collected: *05-22-07 21:00:00* By: *JR*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0705760-0001A		**SW846 3550B/8270C SVOCs by GC/MS**					By:	DS		
S07290	XG.2007.741.5	206-44-0	Fluoranthene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	86737	Fluorene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	118-74-1	Hexachlorobenzene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	87-68-3	Hexachlorobutadiene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	77-47-4	Hexachlorocyclopentadiene	ND	mg/Kg	1	1.5		05-24-07	05-24-07
S07290	XG.2007.741.5	67-72-1	Hexachloroethane	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	193-39-5	Indeno(1,2,3-cd)pyrene	ND	mg/Kg	1	0.3		05-24-07	05-24-07
S07290	XG.2007.741.5	78-59-1	Isophorone	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	91-20-3	Naphthalene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	98-95-3	Nitrobenzene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	62-75-9	n-Nitroso-dimethyl-amine	ND	mg/Kg	1	0.3		05-24-07	05-24-07
S07290	XG.2007.741.5	621-64-7	n-Nitroso-di-n-propylamine	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	86-30-6	n-Nitrosodiphenylamine	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	87-86-5	Pentachlorophenol	ND	mg/Kg	1	1.3		05-24-07	05-24-07
S07290	XG.2007.741.5	85-01-8	Phenanthrene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	108-95-2	Phenol	ND	mg/Kg	1	0.3		05-24-07	05-24-07
S07290	XG.2007.741.5	129-00-0	Pyrene	ND	mg/Kg	1	0.03		05-24-07	05-24-07
S07290	XG.2007.741.5	110-86-1	Pyridine	ND	mg/Kg	1	0.3		05-24-07	05-24-07
0705760-0001A		**SW846 7471B CVAA**					By:	DPA		
M07564	MT.2007.914.24	7439-97-6	Mercury	ND	ug/Kg	1	20		05-29-07	05-29-07

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

MEMO: The samples were received at 7.1 degrees Celsius.

CLIENT Diamondback ADDRESS P.O. Box 2191 Hobbs, NM 88241 PROJECT Cannon A.F.B. LOCATION Oil/water Separator @ South blower pressure	LYDICK LABORATORIES	LYDICK ENGINEERS & SURVEYORS P.O. BOX 721 CLOVIS, NEW MEXICO 88101 TEL. 505-762-3771 FAX 505-762-9093 DATE 5-25-07 HOLE NO. 1

SAND CONE – DENSITY DETERMINATION

REPORT NO. 1 STATION Middle of Pit

TYPE OF MATERIAL Borrow Fill

DEPTH 6" CONTROL DENSITY 111.9 / 15.6

SAND CALIBRATION				GROUND SURFACE CALIBRATION			
1	WT. OF CAN FILLED	g.	lbs.	6	WT. OF CAN + SAND BEFORE	g. 16.49	lbs.
2	WT. OF CAN EMPTY	g.	lbs.	7	WT. OF CAN + SAND AFTER	g. 12.98	lbs.
3	WT. OF SAND	g.	lbs.	8	WT. OF SAND	g. 3.51	lbs.
4	VOL. OF CAN (PREDETERMINED)		cu.ft.				
5	CALIBRATED DENSITY (3 ÷ 4) 94.3		lbs./cu.ft.				

HOLE VOLUME DETERMINATION

9	WT. OF CAN + SAND BEFORE	g. 12.98	lbs.	12	WT. OF SAND (8)	g. 3.51	lbs.
10	WT. OF CAN + SAND AFTER	g. 3.93	lbs.	13	WT. OF SAND IN HOLE (11 – 12)	g. 5.54	lbs.
11	WT. OF SAND	g. 9.05	lbs.	14	VOLUME OF HOLE (13 ÷ 5) 0.05874		cu.ft.

MOISTURE DETERMINATION

15	WET WT. OF PAN + SAMPLE	g. 7.68	lbs.	19	DRY WT. OF SAMPLE (16 – 18)	g. 6.40	lbs.
16	DRY WT. OF PAN + SAMPLE	g. 7.04	lbs.	20	WATER CONTENT (17 ÷ 19) x 100 10.0		%
17	WT. OF WATER (15 – 16)	g. .64	lbs.				
18	WT. OF PAN – NO C	g. .62	lbs.				

DENSITY DETERMINATION AND ROCK CORRECTION (SAND METHOD)

21	TOTAL WET WT. OF PAN + SAMPLE	g.	7.68	lbs.
22	WT. OF PAN – NO	g.	.62	lbs.
23	TOTAL WET WT. OF SAMPLE (21 – 22)	g.	7.06	lbs.
24	WT. OF ROCK	g.		lbs.
25	VOL. OF ROCK			cu.ft.
26	WT. OF SOIL (WET)(23 – 24)	g.		lbs.
27	VOL OF SOIL (14 – 25)			cu.ft.

DENSITY OF TOTAL SAMPLE

28	WET DENSITY (23 ÷ 14) 120.2	lbs/cu.ft.	29	DRY DENSITY 28 ÷ (100 + 20)) 109.3	lbs/cu.ft.

30 PERCENT COMPACTION ÷ ACTUAL DENSITY ÷ CONTROL (DENSITY) 97.6

NOTE: TO CONVERT GRAMS TO POUNDS DIVIDE BY 453.6

TESTED BY: Laurie E. Lawson COMPUTED BY: Laurie E. Lawson REQUIRED: 85%

Lydick Engineers & Surveyors

205 East 2nd St.
P.O. Box 1388
Clovis NM, 88101

Field Densities

To: Diamondback Disposal Services
P.O. Box 2491
Hobbs, NM 88241

Project: CAFB - Tank Removal

Project Number:	CAFB - 07
Report Number:	1
Report Date:	5-29-07
Testd By:	L. Langan
Depth:	6"
Maximum Dry Density:	111.9
Optimum Moisture:	15.6
Test Date:	5-24&25-07
% Compaction Required:	95%
% Moisture Required:	±3.0%
Page:	1 of 1

ID No.	Sample Location	Wet Density (lb./ft.³)	Moist. Content (%)	Dry Density (lb./ft.³)	Percent of Max. (%)
1	1st lift	123.8	10.5	112.0	100.1
2	2nd lift	121.4	9.4	111.0	99.2

Borrowed fill

Per: Lance Langan

Reporting of these test results constitutes a testing service only. Engineering interpretation or evaluation of test results is provided only on written request.

Lydick Engineers & Surveyors
205 East 2nd St.
P.O. Box 1388
Clovis NM, 88101

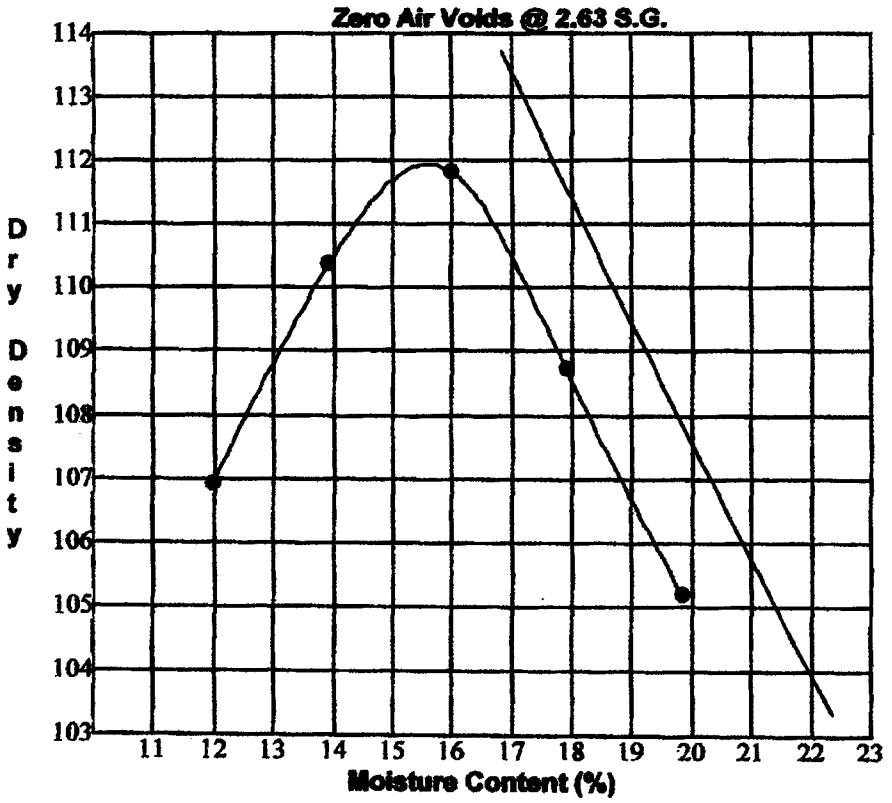
Proctor Report

Report Date	23-May-07
Project Number	Diamondback - 07
Report Number	1
Sample Type	Borrowed Fill
Sampled By	Contractor
Tested By	L. Langan

To: Diamondback Disposal Services
P.O. Box 2491
Hobbs, NM 88241

Proj: CAFB Tank Removal

Sample Date: 22-May-07 Date Tested: 23-May-07 Date Received: 22-May-07



Max. Dry Density (pcf): 111.9
Optimum Moisture (%): 15.6

Moisture Content (%)	Dry Density (pcf)	Wet Density (pcf)
12.0	106.9	119.7
13.9	110.4	125.8
16.0	111.8	129.7
17.9	108.7	128.2
19.8	105.2	126.1

Method: ASTM D-698
Rammer Type: MECHANICAL
Preparation: DRY

Sample Description: Reddish brown caliche

Per: Lance Langan

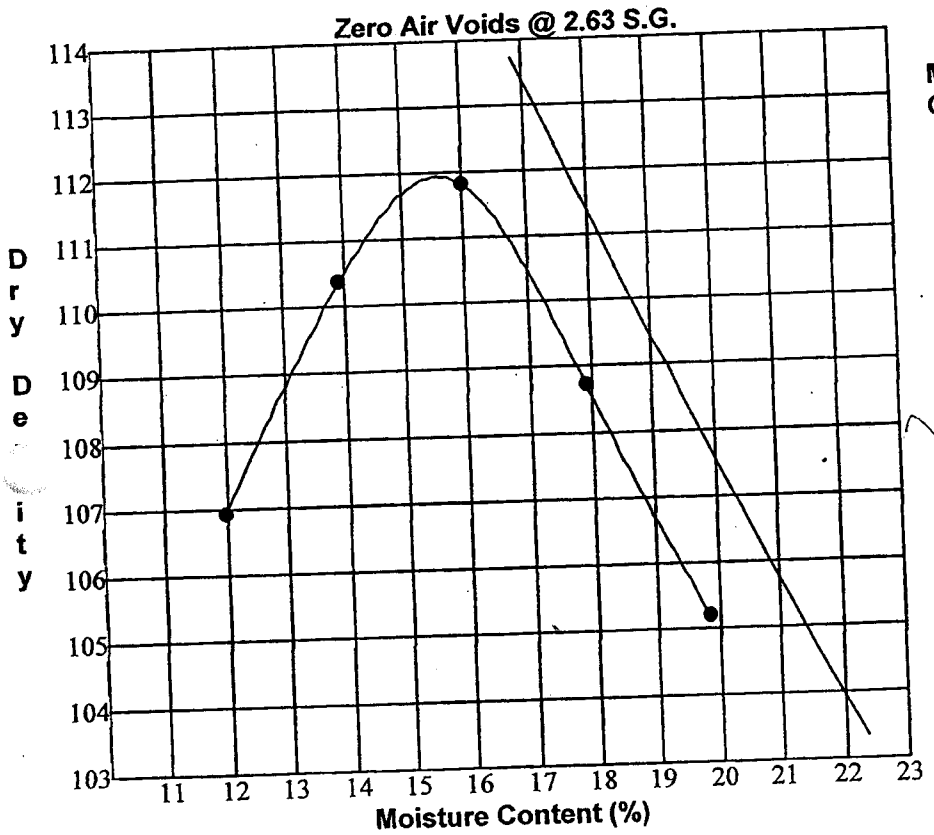
Lydick Engineers & Surveyors
205 East 2nd St.
P.O. Box 1388
Clovis NM, 88101

To: Diamondback Disposal Services
P.O. Box 2491
Hobbs, NM 88241

Proctor	**Report**
Report Date	23-May-07
Project Number	Diamondback - 07
Report Number	1
Sample Type	Borrowed Fill
Sampled By	Contractor
Tested By	L. Langan

Proj: CAFB

Sample Date: 22-May-07 Date Tested: 23-May-07 Date Received: 22-May-07



Max. Dry Density (pcf): 111.9
Optimum Moisture (%): 15.6

Moisture Content (%)	Dry Density (pcf)	Wet Density (pcf)
12.0	106.9	119.7
13.9	110.4	125.8
16.0	111.8	129.7
17.9	108.7	128.2
19.8	105.2	126.1

Method: ASTM D-698
Rammer Type: MECHANICAL
Preparation: DRY

Sample Description: Reddish brown caliche

Per: James E. Langan

Lydick Engineers & Surveyors, Inc.
P. O. Box 728
205 E. 2nd Street
Clovis, NM 88101
505-762-3771

Atterberg Report

To: DIAMONDBACK DISPOSAL SERVICES
P.O. BOX2491
HOBBS,NM 88241

Project: VARIUOS PROJECTS @ CANNON A.F.B. NEW MEXICO

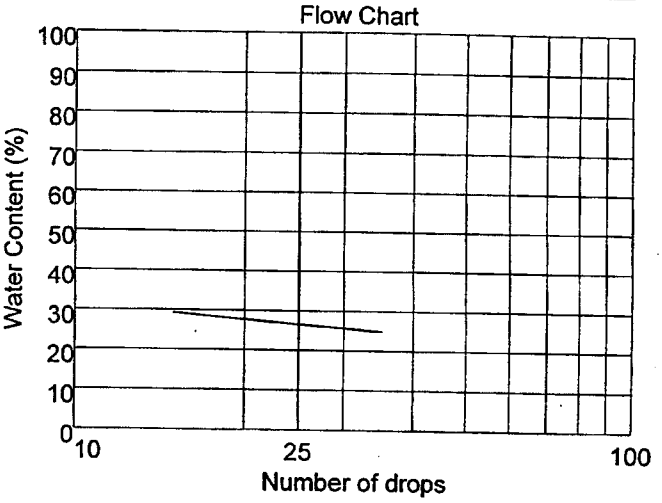
Project Number:	DIAMOND-07
Report Number:	1
Report Date:	5/24/2007
Authorized By:	JUSTIN ROBERTS
Performed By:	LANCE E. LANGAN
Bore #:	1
Sample #:	1
Bore Date:	5/22/2007
Sample Depth:	STOCKPILE
Preparation (Wet/Dry):	WET TO DRY
Page:	1 of 1

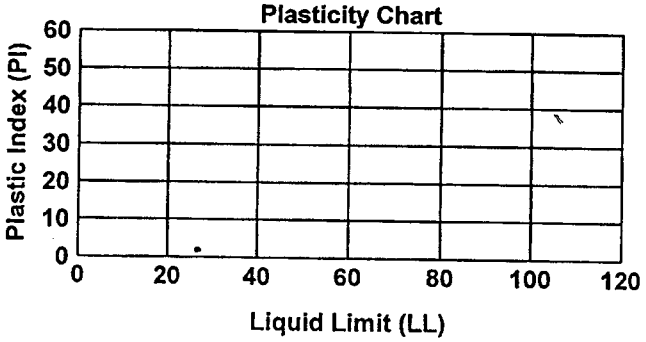
Plastic Limit

Tare #	11	3		
Tare Weight	37.07	37.26		
Tare + Wet Soil	67.63	63.07		
Tare + Dry Soil	61.54	57.86		
Weight of Water	6.09	5.21		
Weight of Dry Soil	24.47	20.60		
Water Content	24.9	25.3		

Liquid Limit

Tare #	8	9	10	
Tare Weight	37.24	37.00	38.31	
Tare + Wet Soil	64.85	63.86	63.47	
Tare + Dry Soil	58.20	58.10	58.28	
Number of Blows	8	17	32	
Weight of Water	6.65	5.76	5.19	
Weight of Dry Soil	20.96	21.10	19.97	
Water Content	31.7	27.3	26.0	





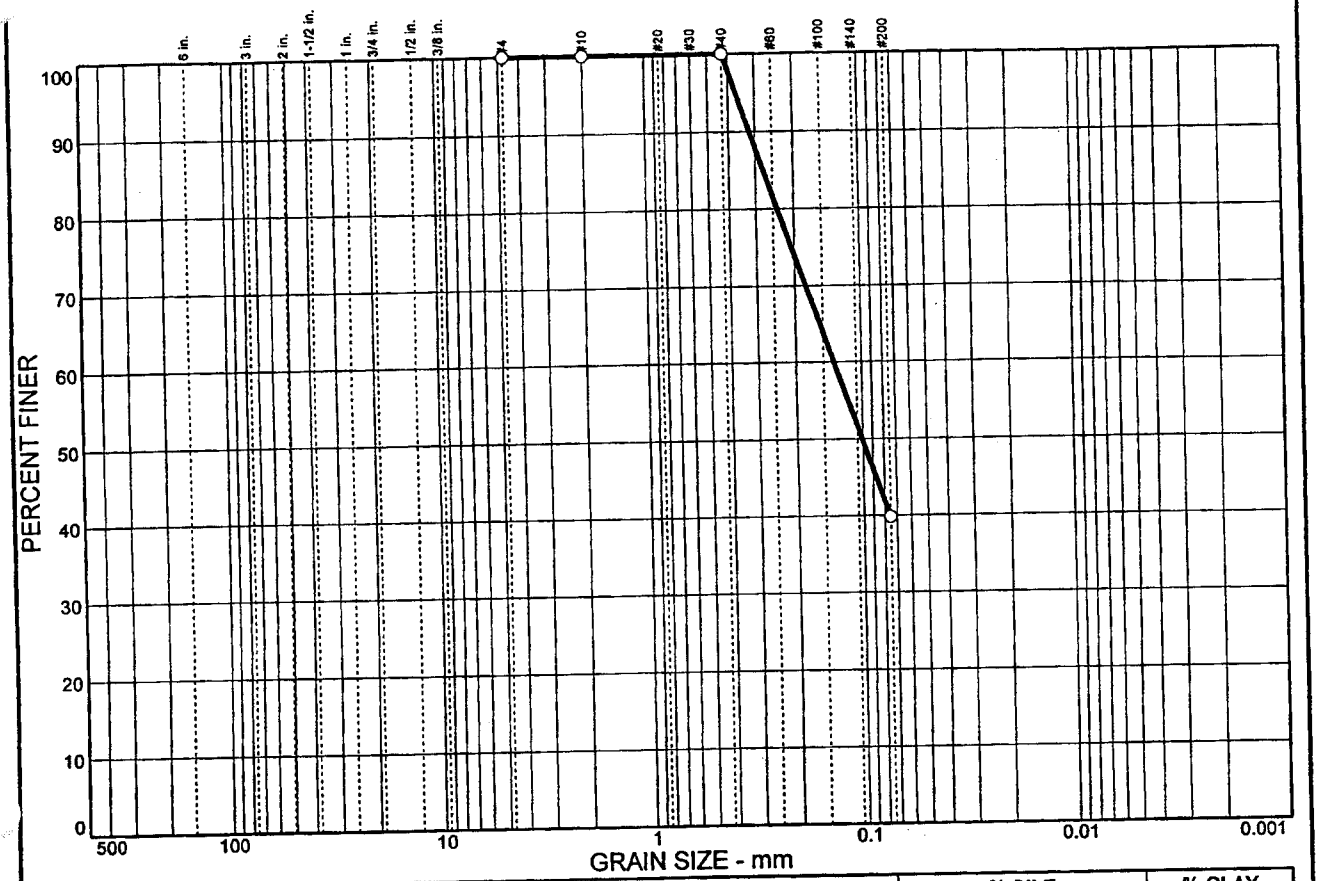
Liquid Limit	**27**	**Natural Water Content**	**Other tests being performed on this sample: Grain Size, Proctor**
Plastic Limit	**25**	**Classification of Sample**	
Plasticity Index	**2**		
Method A			

CALICHE BASE COURSE FROM CURRY COUNTY CALICHE

Per: Lance E. Langan

eporting of these test results constitutes a testing service only. Engineering interpretation or evaluation of test results is provided only on written request.

DIAMONDBACK (CURRY CO. CALICHE)



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	60.2	39.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	100.0		
#40	100.0		
#200	39.8		

* (no specification provided)

Soil Description

REDDISH BROWN CALICHE

Atterberg Limits

PL= 25 LL= 27 PI= 2

Coefficients

D_{85}= 0.276 D_{60}= 0.134 D_{50}= 0.101
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= GM AASHTO=

Remarks

Sample No.: 1 **Source of Sample:** **Date:** 5-23-07
Location: CURRY COUNTY CALICHE **Elev./Depth:** STOCKPILE

LYDICK

ENGINEERS & SURVEYORS, INC.

Client: DIAMONDBACK DISPOSAL SERVICES
Project: VARIOUS PROJECTS AT CANNON A.F.B.
Project No: DIAMONDBACK-07 **Figure**

GRAIN SIZE DISTRIBUTION TEST DATA

Client: DIAMONDBACK DISPOSAL SERVICES
Project: VARIOUS PROJECTS AT CANNON A.F.B.
Project Number: DIAMONDBACK-07

Sample Data

Source:
Sample No.: 1
Elev. or Depth: STOCKPILE
Location: CURRY COUNTY CALICHE
Description: REDDISH BROWN CALICHE
Date: 5-23-07 **PL:** 25
USCS Classification: GM
Testing Remarks:

Sample Length(in./cm.):

LL: 27 **PI:** 2
AASHTO Classification:

Mechanical Analysis Data

Sieve	Size, mm	Percent finer
# 4	4.750	100.0
# 10	2.000	100.0
# 40	0.425	100.0
# 200	0.075	39.8

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL =** **% SAND =** 60.2
% FINES = 39.8

D_{85}= 0.28 D_{60}= 0.13 D_{50}= 0.10

1. CAFB SITE SD-11 Borings

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MAY 2007 VISUAL INSPECTION PHOTOGRAPHIC LOG

Site SD-11 CMI Cannon Air Force Base, New Mexico	AFCEE	Contract No. FA8903-04-D-8679 Task Order 49

Photo No. 01	Date: 15-May-07

Description:

Atkins Engineering (drilling subcontractor) drilling boring SB03 with mobile 58 drill rig.

Photo No. 02	Date: 15-May-07

Description:

Atkins Engineering's steam pressure washer, used to decontaminate drill rig.

MAY 2007 VISUAL INSPECTION PHOTOGRAPHIC LOG

Site SD-11 CMI Cannon Air Force Base, New Mexico	AFCEE	Contract No. FA8903-04-D-8679 Task Order 49

Photo No. 03	Date: 17-May-07

Description:

Atkins Engineering backfilling soil boring with bentonite chips.

Photo No. 04	Date: 16-May-07

Description:

Stained soil from 10 to 15 foot interval of soil boring SB08.

MAY 2007 VISUAL INSPECTION PHOTOGRAPHIC LOG

Site SD-11 CMI Cannon Air Force Base, New Mexico	AFCEE	Contract No. FA8903-04-D-8679 Task Order 49

Photo No. 05	Date: 17-May-07

Description:

Staged 55-gallon drums with soil cuttings from borings completed during the CMI field investigation.

Photo No. 06	Date: 21-May-07

Description:

Diamondback Disposal Services, Inc. (excavation subcontractor) removing soil overburden.

MAY 2007 VISUAL INSPECTION PHOTOGRAPHIC LOG

Site SD-11 CMI Cannon Air Force Base, New Mexico	AFCEE	Contract No. FA8903-04-D-8679 Task Order 49

Photo No. 07	Date: 21-May-07

Description:

Water line shut-off valve broken during excavation activities near soil boring SB02.

Photo No. 08	Date: 21-May-07

Description:

Collar placed on 8" water line where broken 1" PVC line previously tapped into line.

MAY 2007 VISUAL INSPECTION PHOTOGRAPHIC LOG

Site SD-11 CMI Cannon Air Force Base, New Mexico	AFCEE	Contract No. FA8903-04-D-8679 Task Order 49

Photo No. 09	Date: 22-May-07

Description:

Soil stockpiles covered with 10-mil plastic and excavation marked off with orange construction fencing at end of work day.

Photo No. 10	Date: 22-May-07

Description:

Excavation benching being completed on south side of excavation.

MAY 2007 VISUAL INSPECTION PHOTOGRAPHIC LOG

Site SD-11 CMI Cannon Air Force Base, New Mexico	AFCEE	Contract No. FA8903-04-D-8679 Task Order 49

Photo No. 11	Date: 22-May-07

Description:

Diamondback loading dump trucks with TPH-impacted soil from stockpile.

Photo No. 12	Date: 22-May-07

Description:

Layers of stained soil near soil boring SB-08 at depths of approximately 17 to 25 feet.

MAY 2007 VISUAL INSPECTION PHOTOGRAPHIC LOG

Site SD-11 CMI Cannon Air Force Base, New Mexico	AFCEE	Contract No. FA8903-04-D-8679 Task Order 49

Photo No.	Date:
13	23-May-07

Description:

Yellow stained soil near north wall of excavation.

Photo No.	Date:
14	23-May-07

Description:

Dump truck dumping clean backfill material from borrow area in Curry County, New Mexico.

MAY 2007 VISUAL INSPECTION PHOTOGRAPHIC LOG

Site SD-11 CMI Cannon Air Force Base, New Mexico	AFCEE	Contract No. FA8903-04-D-8679 Task Order 49

Photo No. 15	Date: 23-May-07

Description:

Rear wheels of dump truck leaving site after inspection.

Photo No. 16	Date: 23-May-07

Description:

Belly of dump truck leaving site after inspection.

MAY 2007 VISUAL INSPECTION PHOTOGRAPHIC LOG

Site SD-11 CMI Cannon Air Force Base, New Mexico	AFCEE	Contract No. FA8903-04-D-8679 Task Order 49

Photo No. 17	Date: 23-May-07

Description:

Excavation advanced to depth of 29.5 feet between SB-08 and SB-02 with no visible evidence of TPH staining.

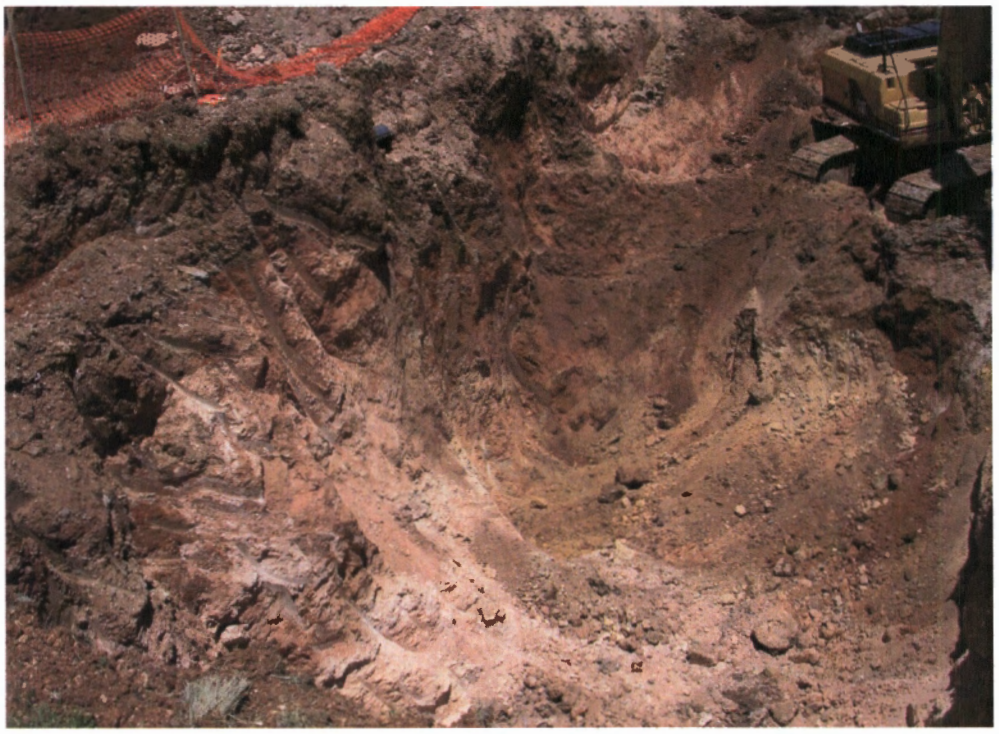

Photo No. 18	Date: 24-May-07

Description:

Diamondback backfilling with borrow material from Curry County.

MAY 2007 VISUAL INSPECTION PHOTOGRAPHIC LOG

Site SD-11 CMI Cannon Air Force Base, New Mexico	AFCEE	Contract No. FA8903-04-D-8679 Task Order 49

Photo No. 19	Date: 24-May-07

Description:

Compacted backfill material from Curry County compacted after placement.

Photo No. 20	Date: 24-May-07

Description:

Crushed caliche used for backfill of top 4 feet of excavation.

MAY 2007 VISUAL INSPECTION PHOTOGRAPHIC LOG

Site SD-11 CMI Cannon Air Force Base, New Mexico	AFCEE	Contract No. FA8903-04-D-8679 Task Order 49

Photo No. 21	Date: 25-May-07

Description:

Finished grade after compaction of Site SD-11.

Photo No. 22	Date: 25-May-07

Description:

Limits of excavation marked for final survey at Site SD-11.